

November, 1946



Lehigh

ALUMNI BULLETIN



"You mean I'm Worth \$6000?"

Yes, sir . . . six thousand dollars in hard cash.

That six thousand dollars is the money that Republic stockholders and bondholders invested before you could have a job at Republic Steel.

That six thousand dollars furnishes you with a place to work, tools and equipment to work *with*, the raw materials for making steel and steel products, and all the other things that make it possible for you to hold down a good job. Six thousand dollars just to provide one job for one man!

Without this money (and a like amount for every other Republic employee), there would be no Republic Steel . . . no Republic families to help make this a bigger, better, more prosperous community . . . no opportunity at Republic for you.

It takes a lot of money to make a go of a big business like Republic. That money comes from the 60,000 men and women who own stock in Republic Steel. And six thousand dollars of this stockholders' money is invested in *you*.

REPUBLIC STEEL CORPORATION

This advertisement is one of a series appearing in newspapers in cities and towns where Republic mills, mines and offices are located.





THE *Lehigh Alumni Bulletin*

Published by the Alumni Association of Lehigh University, Inc.

Vol. XXXIV

In this Issue

Editor

LEONARD H. SCHICK, '37

Association Officers

President.....RICHARD J. BUCK, '24

Vice-President
JOHN J. SHIPHERD, '21

Vice-President
HARRY B. OSBORN, JR., '32

Treasurer..ROBERT S. TAYLOR, '95

Archivist.....ARTHUR W. KLEIN, '99

Alumnus Trustees

THEOPHIL H. MUELLER, '18

STEWART J. CORT, '06

JAMES H. PIERCE, '10

NEVIN E. FUNK, '05

LEONARD M. HORTON, '28

ROBERT C. WATSON, '13

Cross-Cutting the Campus.....page 3

Inaugural Exercisespage 6

The Inaugural Address

by Dr. Martin D. Whitakerpage 8

Greetings from the Delegates

by Dr. Thurman D. Kitchinpage 10

Builders of the New World

by Dr. Arthur H. Comptonpage 11

Anniversary Celebrationpage 14

Inaugural Highlightspage 16

Gridiron Resumepage 19

Lives of Lehigh Men.....page 22

Published monthly, October to August, inclusive, except during December and January, when it will be published bi-monthly, by the Alumni Association of Lehigh University, Inc., Alumni Memorial Building, Bethlehem, Pa. Printed by the Globe-Times Printery, Bethlehem, Pa. Entered as second-class matter at Bethlehem, Pa., Post Office. Subscription price \$3.00 per year.



The problem of providing heat for buildings containing large, unobstructed areas is economically and efficiently solved by the use of Dravo Direct Fired Warm Air Heating. This method provides self-contained heaters in sizes from 300,000 Btu to 2,000,000 Btu that can be used in single or multiple units.

We call it "packaged heating" because it provides a known quantity of heat output and comes to you as a complete, self-contained unit. Installation requirements are simple—electric power, fuel line and stack.

Dravo Heating is extremely flexible in use. Units

can be moved as heat requirements change. Heat for office areas can be diverted by means of ductwork. If floor space is limited, Dravo Heaters can be suspended from wall or ceiling.

Pushbutton control eliminates specialized attendant. Maintenance is negligible. Gas or oil fired units provide fuel-to-air efficiencies of 80 to 85%.

Our Bulletin 514 gives entire story. Write for free copy. Dravo Corporation, 300 Penn Avenue, Pittsburgh 22, Pa.

THE CONTRACTING DIVISION
ENGINEERING WORKS DIVISION
KEYSTONE DIVISION
MACHINERY DIVISION

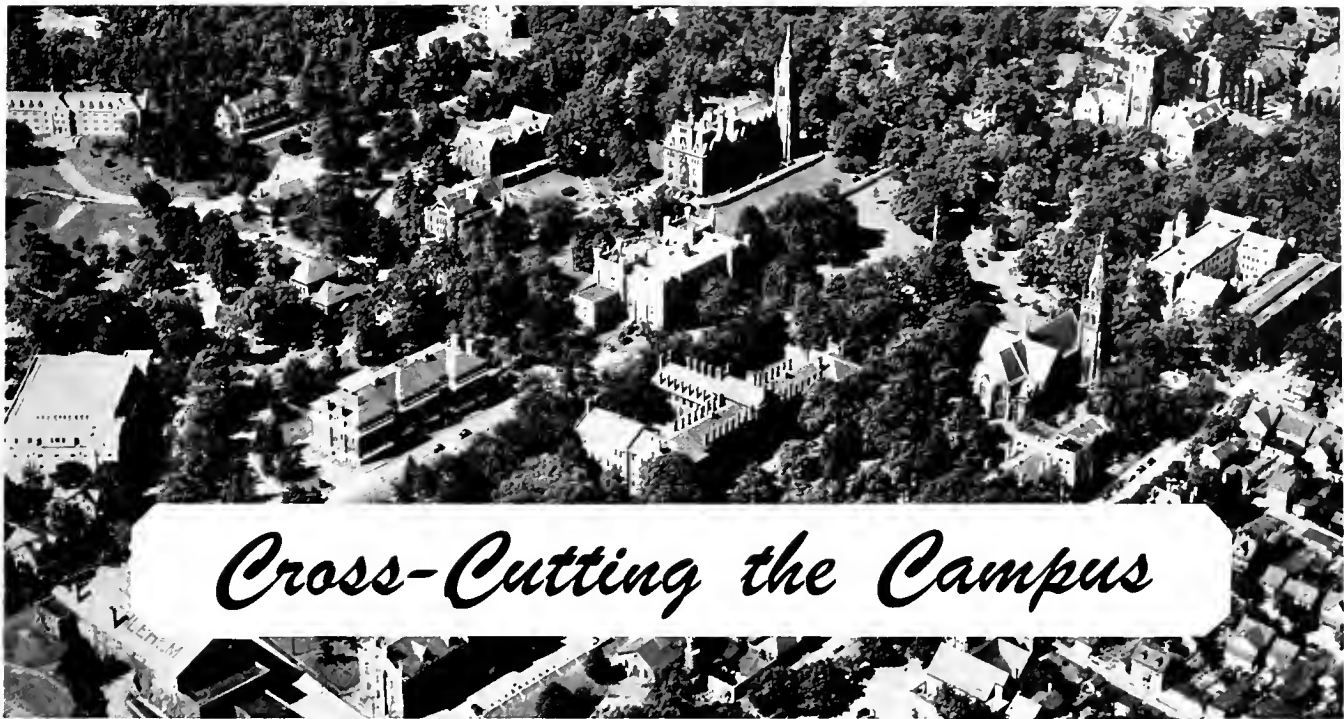


D R A V O C O R P O R A T I O N

PITTSBURGH WILMINGTON PHILADELPHIA CLEVELAND NEW YORK DETROIT

EXPORT: LYNCH, WILDE & CO., WASHINGTON, D.C.

GENERAL CONTRACTORS • TOWBOATS AND BARGES • ENGINEERING CONSTRUCTION
MATERIALS HANDLING • SAND AND GRAVEL • POWER PLANTS • TERMINAL EQUIPMENT
MACHINERY AND EQUIPMENT • RIVER FREIGHT TRANSPORTATION • HEATING SYSTEMS



Cross-Cutting the Campus

Record Enrollment

A belief prevalent on South Mountain for many months that enrollment for the fall semester would break all records was confirmed this month when Registrar George B. Curtis revealed that 3029 students are now enrolled at the University. Of this number 2722 are undergraduates and 307 are graduate students preparing for advanced degrees.

It is interesting to note that 828 of the undergraduates are sophomores while 706 are freshmen. Juniors and Seniors number 651 and 512 respectively. A curricula breakdown reveals 554 business men; 352 arts students, 314 chemical engineers, 46 chemistry students, 148 civil engineers, 370 electrical engineers, 58 engineering physicists, 272 industrial engineers, 87 metallurgical engineers, 23 mining engineers and 24 in the general college division.

Tuition Changes

Abolition of all but penalty fees and the adoption of a single comprehensive tuition fee has been established by the University and will become effective June 30 when the current fiscal year ends. Under the new program students instead of having to consider a general tuition fee, seven special fees and 65 laboratory charges, will now pay a fee of \$14.50 per credit hour,

regardless of the curriculum studied. Establishment of this program replaces the present tuition rate of \$200 per semester, five general fees totaling \$17 per semester, the matriculation and graduation charges amounting to \$15, and all laboratory fees.

The admissions deposit, required of prospective students will also be raised from \$25 to \$50, and this amount will be credited toward tuition at the time of registration, but it will be forfeited if a student fails to register.

New Department Head

Dr. George D. Harmon, professor of American history, has been named head of the department of history and government, succeeding Dr. Lawrence H. Gipson, who has been appointed Research Professor of History. At Lehigh since 1925 when he was appointed instructor, Dr. Harmon became assistant professor in 1928, associate professor in 1931 and a full professor in 1942. Before coming to Lehigh he taught at the University of Pennsylvania and at Duke University.

A graduate of Duke in the class of 1921, Dr. Harmon received his Master's Degree there a year later and his doctor of philosophy at the University of Pennsylvania in 1930. A recognized authority on Lincoln, Lehigh's newest department head is also the author of two books and many magazine articles.

College Rivalry

With football fervor reaching its peak last month just prior to the Lehigh-Muhlenberg encounter, the campuses of both colleges resembled armed camps as student factions engaged in nightly border skirmishes. First blow was struck by Cardinal and Gray adherents who stole stealthily onto South Mountain late one night and covered the campus with posters indicating that the Mules would "kick the L out of Lehigh" on the gridiron. Incensed by this action some Lehigh students retaliated, burned a huge "L" in the Muhlenberg field, wired shut dormitory doors and liberally used paint and brush to what they thought was an artistic advantage. From this point on the remainder of the week became a nightmare and students got little sleep as they keep all night vigils around their respective camps. Who won? No one can say although Lehigh using its two plane Luftwaffe got in the final pre-game blow as the planes dipped low over the Muhlenberg campus and showered hundreds of leaflets down upon the upraised faces of angered but helpless Mule men.

Hobby Haven

Paul House, one of Lehigh's temporary dormitories, is located over the College Sweet Shop on Bethlehem's Third Street, and, although only eight men live in the three rooms that com-



Why Jim Blake can sleep a half hour longer

Getting to his work used to be a long, round-about, time-killing journey. But that was before the steel bridge across the river was built. Now the trip from home to office seems hardly any time at all.

In commuting to work, on business trips or vacation jaunts by train, bus or motor car, the traveling public is every day enjoying the convenience and savings in hours and dollars that bridges provide. Bridges that leap across broad, shining rivers; bridges that lift the motorist safely over busy railway lines, or whisk him above congested city districts.

And because they make possible substantial savings in time and distance, bridges often bring attractive new residential locations within easy

commuting distance of city offices and factories, and open up new areas for industrial expansion.

Bethlehem Steel Company builds bridges and other steel structures of every kind, as well as making the various forms of steel that are used in bridge construction. A number of the monumental highway and railway bridges that are playing their indispensable part in speeding the movement of travelers and of raw materials and merchandise across the length and breadth of America were built by Bethlehem Steel.

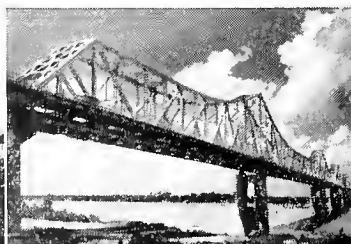
BETHLEHEM STEEL



Three monumental Bethlehem-built bridges that serve the traveling public of America



George Washington Bridge, New York City



O. K. Allen Bridge, Baton Rouge, La.



Golden Gate Bridge, San Francisco

prise this "dorm," it would be difficult to find another group so enwrapped in hobbies. Four of the eight are building a scale model railroad that



A non-veteran freshman pauses to pay tribute to Lehigh men who served in '18

will run through the three rooms and behind the radiators. The other "in-mates" are as equally interested in flute playing and model airplanes. Quite a combination.

Acceleration Ends

Return to a pre-war two semester year program of education effective with the fall semester term in 1947 has been approved by the Board of Trustees. This action was taken following a recommendation by the faculty that a non-compulsory summer term of eight weeks be substituted for a compulsory sixteen week semester next July and August.

The Trustees decision was in accordance with the needs and desires of undergraduates, because the resumption of the conventional schedule is necessary to provide summer employment as a required part of several courses in the various engineering curricula, and because registration figures show that between June and October the percentage of undergraduates favoring acceleration dropped from 77% to 40%.

Adopted during wartime the accelerated program enabled students to earn degrees in 32 months instead of

four years. It was accomplished, without changing the length of the semester, by eliminating all vacations except one week at Christmas, and the one week interval between semesters. In this manner three semesters were provided each year, and freshmen were able to enter in February, June and October rather than have their matriculation postponed.

Alumni Reunion

Lehigh alumni whose class numerals end in "2" or "7" can begin making plans for their reunion week-end which will be held June 27 and 28 of next year. The University's Commencement exercises will be held June 29. It is suggested that Class Reunion chairmen complete their plans as soon as possible because already many of Bethlehem's favorite reunion spots have been reserved.

Research in Heat

Discontinued during the war years Lehigh's Heat Institute has been re-organized and under the guidance of Thomas E. Jackson, associate professor of Mechanical Engineering, the group is currently studying the rates at which certain types of pipes trans-

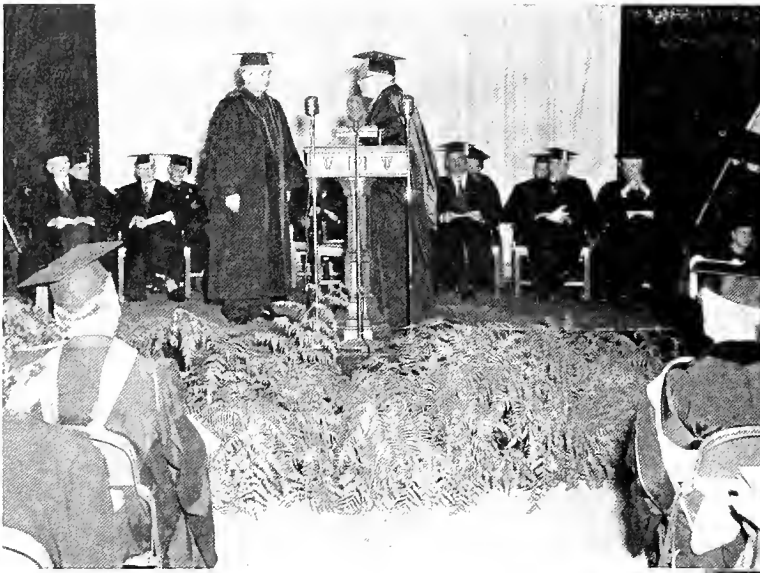
mit heat. Sponsored by interested manufacturers the Institute was formed just prior to the war and the research work was assigned to the departments of Industrial and Chemical Engineering. The principal problem was to set up apparatus that could accurately measure the temperature of water rushing through the test pipes at velocities of from two to eight feet per second. The differences in temperature are carefully tabulated and will be used as the basis for a complete report on the project.

New Dormitory

As the Bulletin goes to press word comes that the third and largest unit of Lehigh's modern dormitory system will be constructed as soon as materials are available. To cost \$700,000 the dormitory will accommodate 280 students and will provide ample lounge and recreational facilities. The building which will be in four sections has been designed by Jens Frederick Larson, internationally known architect. Present expectations are that the dormitory will be ready for occupancy by the fall of 1948. The architect's drawing and a complete description of the building will appear in the Dec.-Jan. issue of the Bulletin.

Lehigh's complicated system of semester registration was hard taxed last month, but the 2732 undergraduates cheerfully waited their turn to "sign-up" for classes





Highlight of Founder's Day occurs when E. G. Grace, '99, officially installs Dr. Whitaker as Lehigh's eighth president

LEHIGH UNIVERSITY auspiciously began its ninth decade of purposeful education Sunday, October 20, when Martin Dewey Whitaker, 45 year old scientist, educator and administrator, was formally inaugurated as the University's eighth president.

A full program of events, beginning with Founder's Day Commencement in the morning, was climaxed by the colorful and traditional pageantry of the academic procession and the inaugural ceremonies. Official delegates representing 114 colleges and universities and 31 learned and pro-



Dr. Zay Jeffries, Dr. Arthur H. Compton and Dr. Martin D. Whitaker leave the president's home for inaugural services



fessional associations marched beneath threatening skies from the James Ward Packard Engineering Laboratory to the scene of the installation in the Eugene Gifford Grace Hall.

The principal address "Builders of the New World" (page 11) was delivered by Dr. Arthur H. Compton, Nobel prize winner and Chancellor of Washington University, St. Louis, Mo., and the response for the official delegates of colleges and learned societies (page 10) was made by Dr. Thurman Kitchin, president of Wake Forest College alma mater of Lehigh's new president.

Conducted by Eugene G. Grace, '99, the official installation service was brief but impressive as the President of the Board of Trustees assured Dr. Whitaker the support of Lehigh's 11,000 active alumni in his program to make the University the best of its kind in the country. Dr. Whitaker in his response (page 8) praised the founders and guiders of Lehigh for their excellent work in selecting fields of endeavor and in doing quality work in these areas of education. He pledged his best efforts to see that the promise implied by the record of the past shall be fulfilled by the achievements of the future.

Supplementing the inaugural exercises, the presentation of honorary degrees to four men who have distinguished



Inaugural procession which started at Packard Engineering Laboratory is about to enter Grace Hall for the exercises

and in making the presentation Dr. Whitaker said: "You have sought and found beauty and revealed it to thousands who but for your genius might never have known the treasure so near to them."

Final degree that of Doctor of Engineering was presented to Quincy Bent, vice-president of the Bethlehem Steel Company, and a Director of the Bethlehem Steel Corporation and the Bethlehem Shipbuilding Company. The presentation was made by Dr. Gilbert A. Doan, head of Lehigh's department of metallurgical engineering.

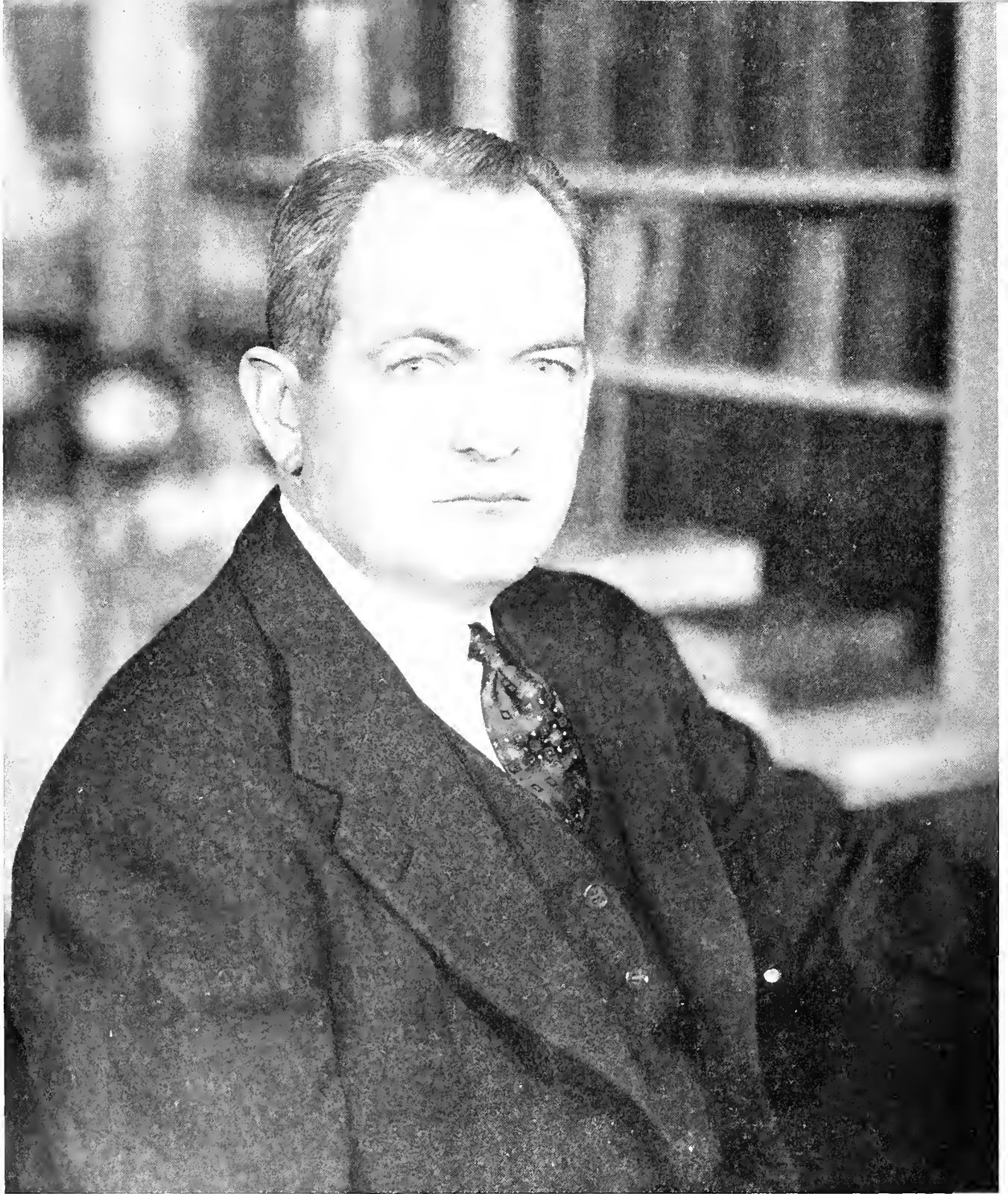
themselves by their achievements in education, industry, the fine arts and discoveries met with the approval of all who witnessed the presentations. Formerly Dean of Undergraduates at Lehigh and at present Dean of the Washington Square College of Arts and Science, New York University, Charles M. McConn received the honorary degree of Doctor of Laws. Presented by Dean Philip M. Palmer the citation read as follows: "... eminent leader in the field of higher education, distinguished author and administrator, in your brilliant career at Illinois, at Lehigh and at New York University, you have contributed significantly to the cause of education. Your devoted service helped make Lehigh a better University and Lehigh is proud to claim you as her own."

Also the recipient of the honorary degree of Doctor of Laws, Chancellor Compton was presented by Dr. Charles C. Bidwell, head of Lehigh's department of physics, who said in part: "Your work in the field of science, administration, and education has brought world-wide recognition and acclaim to you, and has helped stamp the name Compton high on the honor roll of achievement."

Walter E. Baum, landscape painter, author, and editor received the honorary degree of Doctor of Humane Letters,

Ready for the reception which followed the exercises are Professor and Mrs. Fred Larkin and Dr. and Mrs. Whitaker





The Inaugural Address

by

PRESIDENT MARTIN D. WHITAKER

IT IS doubly fitting, since this is Founder's Day, that my first act after being formally invested with authority to conduct the affairs of Lehigh University should be to pay tribute to Asa Packer, the founder of this University. It is a particular pleasure to do this in the presence of the guests who have honored us by attending this ceremony, many of whom are not familiar with the outstanding benevolences and sterling qualities of this great man.

On October 9, 1879, a few months after the death of Asa Packer, the first Founder's Day was observed on the Lehigh campus. It was decided by faculty petition and by Board action on that day that in each succeeding October appropriate notice should be taken of his munificence, his vision, and his unique character.

On that first Founder's Day the Rt. Rev. M. A. DeWolfe Howe, Bishop of the Diocese and President of the Board of Trustees of Lehigh University, in his memorial discourse on Asa Packer said, "We institute today a commemorative service in this university which will be observed from year to year long after we shall have gone to our rest. The celebration which we now inaugurate is in its character and object no novelty in the land. If they, who in future years shall renew the effort which I now with honest difference attempt, if they shall succeed in portraying the life of Asa Packer in all its fine proportions, and beautiful completeness, instructions imparted on Founder's Days will constitute not the last profitable lessons of the college course to those who come hither for the training that shall make them practical, useful, and successful men." That is indeed high praise. Could any one of us set a higher goal than to live our life in such a way that future study of its "fine proportions and beautiful completeness" would constitute a valuable part of education?

LEHIGH University was founded at the end of a terrible war invoked to determine the unity of this country but which demonstrated the folly of settling our arguments by force instead of by ballot. We stand now at the end of another terrible exhibition of destruction of world wide scope which, it seems to me, has demonstrated with even more appalling clarity the folly in attempting to resolve world problems by military operations rather than by peaceful means. Perhaps

conditions now and then have many things in common. The country was then on the eve of great expansion. We are now involved in a great expansion of a different kind. There was need then for educated leadership; there is certainly now as great need. Conditions however differ in one respect. We have noted that during Lehigh's early years students were not eager to accept the opportunities offered by the newly founded university. Today students are clamoring for admission to an already overloaded institution. This is a good omen.

Now that this country is under pressure from our young people to embark on an educational program of enlarged size and scope, it is proper that we should look at our educational balance sheet, noting both current operations and capital status, and see what we can learn that will guide us in making plans and preparing blueprints for the future. As a basis for analyzing our balance sheet we must decide just what we desire to accomplish. For purposes of this discussion let us assume that this plan for the future should attempt to develop the spiritual, moral, political, and economic phases of our social structure in such a way as to assure its continued existence, its improvement and thus the maximum improvement of each individual in it. Many civilizations have developed in the past, exhausted the available natural and human resources, and then disappeared. Our civilization today, we believe, differs from those of earlier peoples because of its broader base of cultural and scientific education.

IT IS possible to guide the growth and development of our civilization by inducing large numbers of our most talented and best trained citizens to devote their abilities and energies to education. In similar manner a large industrial company invests some of its best talent in its research and development division. We pride ourselves on being the "big business" country of the world, and we are accepted as such by others. Our huge and successful enterprises have become so by devoting a sizable fraction of their expenditures and talents to improving processes and developing new departments of the business for the benefit and permanence of the whole. To the extent that research and development are basic to and responsible for our industrial stature, education is basic to and the de-

termining factor in the growth of our social structure.

Since some of us need numbers to aid our thinking, especially about business, may I be pardoned for citing here some dry, but significant, statistics. About one-fifth of our population is either attending school or working in the educational field. About two and one-half billion dollars are spent annually for primary and secondary school work. Almost a million teachers are employed, and tens of billions of dollars are invested in our educational plant. In 1941 we had about one and one-half million students registered in colleges, which were staffed by about 114,000 teachers. These colleges have almost two billion dollars in endowment funds, and other millions invested in physical facilities. The United States Government expects to spend about one billion dollars during the school year which has just begun for the education of veterans, and we are told by a bureau of the national government that we can expect three million students to be enrolled in the colleges of the country by 1960. Education, even in the physical and the monetary sense is big business.

WE FIND deficits as we look at this part of the educational picture: deficits in physical facilities, and particularly in our supply of adequately trained teachers. When we seek the cause for this deficiency we have but to look at the salaries which are paid in the teaching profession. Apparently we have not yet found it necessary or sufficiently desirable, especially in the primary and secondary schools, in many parts of the country, to pay salaries which are sufficient to attract the necessary number of capable people. It is true that there is a temporary dislocation due to the war economy, but we would have had a bad situation without this. Due to the small number of students who were permitted to continue graduate work during the war years, it is not an exaggeration to say that the teaching profession, business, industry and our entire economic and social structure will suffer directly from this lack of training for at least the next decade.

At all levels in our educational system there are teachers who are poorly trained for their work. We should remind ourselves again of how the Nazi in Germany took over the educational system of that country and in a com-

(Continued on page eighteen)

Greetings from the Delegates

By

DR. THURMAN D. KITCHIN

President, Wake Forest College

Now he stands at a new point of service and distinction. It is a fortunate circumstance that brings so able a man and so strong an institution together. As a scientist Dr. Whitaker will be able to guide Lehigh along the line

IT IS a personal pleasure to represent on this program the delegates to the inauguration. We all share a deep feeling of satisfaction in the good fortune of Lehigh University, and in the prospect that lies before President Whitaker as he enters upon his responsible office. But you will pardon me if I claim a feeling that is unique. As the representative of Wake Forest College, from which Martin D. Whitaker graduated in 1927, I should like to voice the pleasure of his Alma Mater in the achievements of one of her most gifted sons.

I cannot claim the honor of having taught Martin Whitaker, because while he was a student at Wake Forest, I was dean of the medical school and college physician, and you can see that he is a healthy specimen and never needed my services.

There is another tie between Wake Forest and Lehigh, and it may be that at this season of the year a reference to it is permissible. The first paid football coach in the south was a Lehigh University student who came down to coach the Wake Forest team.

He was the late President W. O. Riddick of North Carolina State, a distinguished graduate of Lehigh of the Class of 1890, to whom you later gave the honorary LL.D. degree. Riddick had been a football player at Wake Forest and came from our college to your University to study civil engineering. While a student here one of our neighboring institutions badly defeated us in a football game. In those days it was customary for neighboring teams to play two games a season.

Before the second game, the alumni of Wake Forest made up a purse of \$100 to get Riddick to come down from Lehigh and coach the team for two weeks before the game. (Of course coaches get a little more these days.) On account of W. O. Riddick's coaching, or for some reason, Wake Forest won the second game by a score of 35-0. Dr. Riddick always thought he could coach football. (All college presidents think they can coach.)

As an undergraduate at Wake Forest, Martin Whitaker gave unmistakable promise of future leadership and distinction. It was evident in the high quality of his work, the excellence of his character, and the force of his personality. His subsequent years of teaching and research at the University of North Carolina and New York University, and more recently, his work at Oak Ridge, in association with Dr. Compton and other distinguished scientists, have amply fulfilled his early promise.

of her specialties in the scientific and technological fields. Our country will continue to look, and I am persuaded that it will not look in vain, to this institution for significant leadership in these areas. But Lehigh has not only a scientist in her president, but a man with full appreciation of the humanities, of social studies, and of religion, a man well aware of the necessity that the souls of men should grow as great as their hands. He recognizes the obligation upon universities to help men to appreciate ethical and social values as well as to tap new sources of physical energy.

OUR WORLD in deep and tragic need stretched out her hands to our institutions of higher learning. Science has innocently armed the burglar as well as the policeman, the international gangster as well as the peaceful nation. People of different races and culture and creeds have learned little of how to get along together. Man's social, ethical, and moral development has lagged far behind his scientific advance. He knows little of what to do with the

(Continued on page eighteen)



DR. KITCHIN

A host of sister institutions predict for Lehigh University an

IT IS a pleasure, on behalf of my fellow delegates from educational institutions and scientific organizations to greet Lehigh University on this happy occasion. This is a crucial period in education. The demands made

upon our universities are heavy. What we teach and how we teach it is recognized as a matter of prime importance to the future of our nation. We need to plan our education so that we can in a true sense become builders of the new world.

At this critical time you bring to head your institution a man who is himself a builder. I count myself fortunate to have had the opportunity of working for some years with Dr. Whitaker. He had the task of preparing for and operating the first plant that developed atomic energy on a production basis. His task required the coordination of the efforts of diverse groups, scientists, engineers, the Army and labor groups in surroundings at Oak Ridge that would have made even a routine task a risky venture. It is worthy of note that when ratings of performance were announced for the various great companies operating in that war-like village, it became habitual for Clinton Laboratories, under Dr. Whitaker's direction, always to head the list, and usually by an impressive margin.



DR. COMPTON

Builders of the New World

By

DR. ARTHUR H. COMPTON

President, Washington University

You are to be congratulated on having such a man of proved administrative ability and with extensive university experience as well as technological and industrial contacts. We, your guests here today, wish all success to your university and to Dr. Whitaker as you begin together your renewed effort to supply the best of education fitted to the needs of the community you serve.

How then shall we become builders of the new world? The vast new powers that come to us through science and technology are a source of hope and courage. With them we can shape the world more closely to fit our needs. Only first we must learn how to use these powers safely. We must know what we want to make before we start building. The new powers are the heritage of all the world, and we must see that all benefit from its use.

If life is to be enriched by the gifts of science we must set ourselves to learn the rules. In a world that supplies its gifts through the cooperation of many specialists, we must learn to work together. To use our science we must train ourselves with increased thoroughness. Survival of a society of specialists requires that every person contribute as he can to the needs of the community. Alive to the value of service for the common good, we will each learn how to do his part, and we will find a way to work with our neighbors in making our better world. We seek for wisdom and faith and courage to use our God-given powers for establishing peace and enriching the life of man.

THE END OF WAR does not mean the end of competition. This is a fiercely competitive age. Not only individuals and nations, but social systems are striving to gain the leading position. In this strife the laws of evolution demand the survival of the fittest. As applied to our times, this means that the social system which will result in a community well adapted to the modern age of technology will survive and flourish. Those systems that are ill-adapted are already declining and on the way out.

What type of society is well adapted to flourish in the world that science and industry have built? A prime characteristic of this well adapted society is cooperation, between many diverse groups and over even larger areas.

In no field is the growing importance of such cooperation more evident than in that of scientific research. Faraday, a century ago, was one of the first professional scientists. Working by himself, he covered the whole field of electricity and much more besides. Sixty years ago Thomas Edison organized what was perhaps the first professional

4 increased usefulness under the able hand of her new president

research team to work with him at Menlo Park. Now our country has thousands of research laboratories. From 1900 to 1940 our universities developed organized research groups for studying specific problems. Astronomers built specialized observatories. Research centers grew for studying diseases. Teams of physicists built cyclotrons and surveyed cosmic rays over the world. When the war became cooperative research became of greatly increased size and effectiveness.

THE WARTIME development of the methods for producing plutonium is typical. At the peak there were roughly 5,000 workers in 70 odd locations studying different aspects of this single problem. Not only theoretical physicists and nuclear chemists were needed. Equally vital were corrosion experts and metallurgists and haematologists and meteorologists, laboratory technicians, mechanics, and office workers. No one person could be skilled in every field or understand even the meaning of the answers to the many problems. But somehow the group mind integrates such knowledge into the useful form that results in a process that successfully produces plutonium.

This trend enhances the value of the individual research man who masters and advances his own limited field of study. His specialty, however, is of little use except as a part of a broader field. More and more we find that even in a limited field a team of men with different specialties working together does the most effective work. New thoughts develop in their discussions. More refined techniques are available. A team which thus supplies a combination of originality and special skills is the pattern toward which research is moving.

Cooperation is the very life blood of a society based on science and technology. Such a society is necessarily made up of specialists, not only scientists and engineers, but skilled laborers, salesmen, administrators, educators, and legislators. Working alone such specialists are useless. When their work is coordinated they form a society of enormous strength.

It is a major source of our nation's vitality that we have so many diverse elements in our population. Each has its place among the many specialties. What the society of the modern age cannot permit is the development of antagonisms between these groups that

will prevent effective cooperation. To love our neighbors is becoming the condition of survival. And our neighbors with whom we work are to be found in all divisions of society throughout the entire world.

INCREASING *training and education* is similarly necessary in a world which uses the powers of science to do its jobs. It is because of the mechanical skill of many millions of workers, the know-how of our many technical men and the administrative skill of our industrial and military leaders that our country has come out ahead in this war as in the last. It is no disparagement of the American engineers who have done these great war tasks to point out that most of the new developments that have led to victory, such as radar, submarine detection, rockets, and the atomic bomb, have had to be led by men whose scientific knowledge is far in advance of that supplied by our technical schools and industries in the training of engineers. To compete in the modern world more people need more training. Nor is technical training all that is required. Of even greater importance is more education for leadership. In a democratic society that is forced into a position of world prominence, our citizens as well as our leaders need to understand the problems and human needs of all the nations.

This pressure for more training and education applies at all levels. Automatic machinery performs an increasing number of routine jobs. The demand for skilled mechanics to make the machines is thus increasing while that for unskilled labor falls off. The growing complexity of society multiplies rapidly the demand for all kinds of persons trained to keep the work coordinated. These range from typists to administrators. There is an acute shortage of those whose overall view is adequate to guide wisely an industry or the growth of a community.

The result is more students wanting more extensive education in schools and colleges. Professional schools are becoming graduate schools. More research men will want to carry their studies beyond the doctor's thesis. The interruption of our college education during the war places our nation at a temporary disadvantage with regard to highly trained young men and women, and is for the moment keeping down the enrollment in our advanced classes. All indications are, however, that the

postwar pressure on our institutions of higher learning will increase and continue. There is growing interest likewise in all aspects of adult education as our citizens strive to keep themselves abreast of the rapid changes of the times.

I HAVE reserved for the last the key characteristic which must be emphasized. This is the desire to *serve, to contribute to the welfare of society*. Without this objective modern man is indeed obsolete. With it the other essentials follow. Peace through the outlawing of war, cooperation in doing the world's job, education to do one's own task well and to understand how to live with others, all these will follow if we are driven by the desire to help each other.

The whole trend of democracy is away from the achievement of greatness by lording it over one's fellows. That one task is as honorable as another, and that any task is worthy which aids the life of our community is indeed the American creed. More and more we begin to see the truth that, "He that would be greatest among you, let him be servant of all."

We are beginning to realize that our strength lies in the many millions of our citizens who are working efficiently and loyally at the nation's tasks. Widespread education, encouragement of each individual to seek for the place in the game where he can play best, opportunity for advancement and leadership—all these have helped to strengthen our society. Self preservation demands that all possible effort be given to enable and encourage every citizen of the country to contribute his best to the needs of the nation. To attain this result, cultivation of the spirit of service is of first importance.

The evolutionary law of the survival of the fittest applies to societies as well as to individuals. According to this law the society of the future will inevitably advance along these lines of cooperativeness, of education, and of individual concern with service toward the common welfare. If selfish interests or an ill-adapted form of government should prevent our growth along these lines, some other nation or

(Continued on page nineteen)

Standing at the entrance of her home, Catherine, the youngest daughter of Dr. and Mrs. Whitaker, is greeted by Dr. Eugene G. Grace while University Registrar George B. Curtis looks on



Anniversary Celebration

Graduating seniors hear the General Electric vice-president as the University commemorates the eightieth anniversary of its founding

THE 80th anniversary of the University's founding was appropriately commemorated last month by faculty, students and alumni who returned to South Mountain for traditional Founder's Day Exercises, which, held in Packer Memorial Chapel, featured the presentation of degrees to 87 seniors and 17 graduate students.

Principal speaker at commencement, Dr. Zay Jeffries, vice-president of General Electric Company and general manager of its chemical department stressed the fact that in a world more dislocated than ever before in our memory, the American economic system stands even stronger and sounder than even optimists predicted. He stated that while many of the union leaders are irresponsible and others have un-American objectives and the power to do damage is great and harmful, we nevertheless have better proof today of the fundamental soundness of our industrial structure than at any time in history.

American business has been subjected to one unsound measure after another. It has been prosecuted, smeared, and heavily taxed. Yet in war it performed the greatest engineering and production miracles of all time. In many ways it strengthened itself through adversity, he said.

Dr. Jeffries called for significant legislation to correct the glaring deficiencies of the Wagner Labor Act under the protection of which unions are operating and have become too

powerful for the good of labor, industry, or the country. Union leaders, he said, are in a position to demand and receive more than a fair wage for labor and, as a result, our wage-profit relationship is so out of balance that our economy is sick. He also denounced government controls but foresaw an end to these.

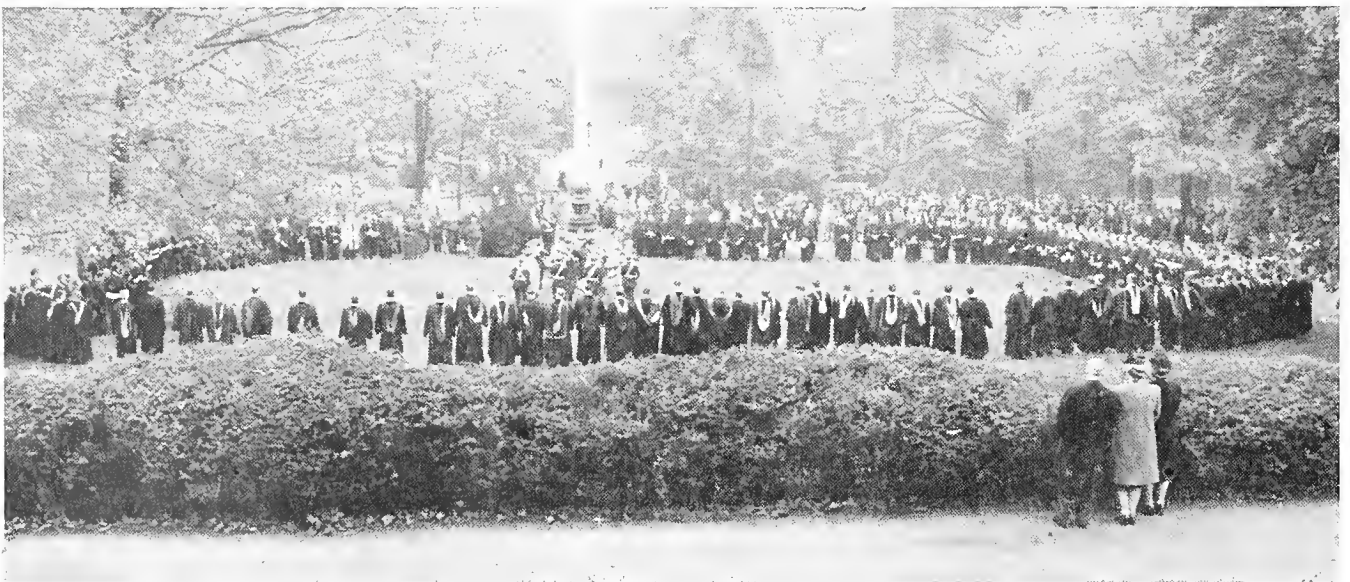
"Business needs proper laws and rules," he said, "including those relating to labor as well as business. It needs a friendly and helpful government that believes in the American system, and one that umpires rather than manages. It needs to have laws that stay put for a while. They need to be so clearly stated that, at least, lawyers and courts can understand them. We don't want too much government in business. Government competition with private enterprise should be kept at a minimum and where it is authorized for some special reason, taxes should be paid by the competing unit the same as though it were private. We cannot operate as half government and half private for long. We can operate best on a private basis. Not only do we want the right laws, but we want government by law not by men. When given these things you can rest assured that this system will continue to be strong no matter what temporary obstacles may be put in its way. You can be certain that the deli-

Commencement ended the procession forms at flag pole for the alma mater

cate balance among wages, profits and prices will be found and followed because there is no other road to abundance."

THE General Electric official cited that laws have prevented business from forming monopolies for 50 years but as recently as 1935, a law was enacted which, in effect, makes labor a monopoly. He said that it is probable that unions were too weak in the late 1920's but that they are unquestionably too strong now. It is unhealthy for either labor or business to have too much power, he said.

"There might be some justice in the present situation if the unions had been responsible for the high production. But they are not. At present they are largely parasitic on the great production machine. Although many things are now scarce, we know the way to abundance. It has been evolved the hard way and it has taken a long time. It involves the generous use of science and engineering, an investment of over \$6000 per worker, wise and efficient management and many failures for each success. It requires low cost production and distribution of products or services acceptable to the customers as to quality, service and price, and the business must be done at a profit. To make this system work effectively, the wages should be as high as possible, consistent with adequate profits and relatively low prices. Increases in wages beyond the fair figure must necessarily be reflected in higher prices and such practices may lead to unwelcome and well known damages to our economy. We have now experienced such impairment and the end seems not in sight," he said.





President Whitaker and commencement speaker Dr. Jeffries enter Packer Chapel

DR. JEFFRIES told the graduates that they can face the future with hope because our plants are intact and we have all the ingredients for a great advance in the standard of living if we can only bring the essential elements into balance and use our vast facilities and know-how for production. He told them that many labor unions realize that there is no fundamental conflict between employer and employee, that they constitute a team that can build for all. He said that these labor leaders will welcome better labor laws as one means of curbing the irresponsible and un-American elements.

*Right: Color guard leads the march;
Below: The procession nears the chapel*





*An informal reception follows inaugural ceremonies. Below:
Lobigh's first family, Catherine, Margaret, Mrs. Whitaker*



*Trustee Frank B. Bell, '97, and Richard J. Buck, '24. Alumni
Assn. president, chat with Lafayette's president Hutchison*



Inaugura



Highlights



Honored guests at luncheon which preceded inaugural are Dr. and Mrs. Compton, the Whitakers, Dr. and Mrs. Grace



Above: Faculty meets and in registration of visiting delegates. Below: A pre-inaugural scene in the President's home



Inaugural Address (Continued from page nine)

paratively few years changed the character of the product coming from their schools in a predetermined way. If such a drastic change could be made in the few years they had at their disposal, what more evidence do we need that education is the key to the thinking of the citizens of the future, and should be put in the hands of carefully trained and capable teachers. We should be sorely concerned about the present picture of inadequately prepared and expediently chosen people molding the future, spiritual, political, industrial, and moral leaders of our civilization.

Now let's look at the importance of education from another point of view. Through education we enable an increasing number of our young people to start their after-school life with some of the accumulated experience and knowledge of the past at their disposal. This is useful to them to a degree which varies with their ability to interpret vicarious experience.

There is considerable evidence that the amount of formal training which one receives has a direct and important bearing on his development as a leader. It is difficult to measure or define the qualities required for leadership. It is difficult to decide in some cases who are leaders, and who are not. One measure of the advantage of education for leadership, and admittedly a rough one, may be devised by assuming that those listed in Who's Who in America are leaders and examining their formal education. 75% of those listed in Who's Who are graduates of universities and colleges. 14% attended universities or colleges but did not graduate. 11% had no college training. If we consider those in our population above 25 years of age, one in each one hundred and fifty col-

lege graduates is listed in Who's Who, one in 900 of those who attended college, but did not graduate is so listed, while only one in 65,000 of those who did not attend college is included.

EVEN WHEN we discount these figures heavily because of environmental and financial advantage which have characterized our college students to date, we still are justified in concluding that college training prepares one for leadership.

Leadership is one of our most serious needs for the future; leadership which transcends the demands for a Who's Who listing. We need all grades of leadership. In training an army, or personnel to operate a plant, it is not enough to train only the top leaders; all personnel must be trained in order to do the job properly. Likewise all of our citizens should be trained beyond the minimum point which makes it possible for them to get along in our society as presently organized, and to that point where they became responsible voters, and effective citizens.

Those of us who are interested in figures, could entertain ourselves for long periods of time by studying the material published by the United States Office of Education. For instance, of each thousand pupils enrolled in the fifth grade, 770 enroll in the first year of high school; 417 are graduated from high school; 146 of the 417 enter college; and about 72 of these 417 are graduated from college. The technical developments of the last few decades have markedly decreased the average number of hours which each of us must devote to creating the necessities of life. The developments in medical science have gradually increased the life span of the human

race. This decrease in the number of man-hours of work necessary to supply the demands of our civilization results from society becoming more complex and results in more study and preparation, in or out of school, necessary to fit into this society. Would we not be much better off if a greater part of the life of each individual were devoted to formal training for future usefulness rather than attempt to spread the amount of work available among the members of society by such artificial means as determining the maximum amount of work which an individual is allowed to perform in any eight hour or six hour shift?

While it is true that we never stop preparing for the future, either by formal educational processes or by the very valuable educational experiences which come to each of us individually as we meet the problems of life, it would have been possible over the last two or three decades to increase the time spent in formal preparation by five or ten years for each person without decreasing the average span over which this preparation would have been useful because of the increased life expectancy.

WE HAVE seen that only 14% of our fifth graders enter college, and only 7% graduate. Some of the 14%, I am sure we will all agree, should not enter college at all. On the other hand, a great deal of talent is lost which should be encouraged and developed. The over-all aim of our educational plan should be to identify talent as early as possible, and to train individuals possessing talent to the highest profitable level by broadening educational opportunities and by improving the educational process. At this time when our colleges are swamp-

(Continued on page twenty)

Greetings From Delegates (Continued from page ten)

unbelievable tools that science has put into his hands. The old order is changing, and in the great social upheaval the world needs the light of truth and the guiding hand of those who are committed to its discovery and to its application. The world needs men with a clear vision of the ultimate goal of life. We must have leadership whose

chief glory is its power of moral discrimination in the interest of righteousness, of justice, of unselfishness, of intellectual integrity, and of a love that would bless mankind with that fullness of life that the Lord of life came to impart.

Institutions like Lehigh and men

like President Whitaker must lead in producing these men, and in molding the standards of the future. A host of sister institutions look in confidence for the fulfillment of this high mission and predict for Lehigh University an era of increased usefulness under the able hand of her new president.

group that can develop this more rapidly will pass us by.

You will note that these factors which give strength to society are precisely those that characterize the highest type of citizen. Cooperation: He likes to work with others on a common task. Education: He has learned to do his own useful task and to share intelligently in solving public problems. Service: The central objective of his life is to contribute to the common welfare the maximum that his abilities make possible. These also are the factors which make life of greatest value to the individual himself.

THIS WHOLE discussion has been saying in secular terms that modern man now needs as never before to recognize that he is the child of God and the brother of all men. When we are aware that we are working with our God in shaping the world for His children, our worry as to the ultimate result of our efforts is absent. Losing ourselves in the great task before us we find our own souls. What is the great task ahead? Does not our Teacher explain that it is to give every human being his best chance to express the love of his neighbors by serving as his own abilities permit? With this as the goal there follow at once the desire to work together, the earnest eagerness to educate oneself for responsible citizenship, the sincere concern with what life's true values are and how these values can best be attained. The modern age thus gives to religion unprecedented importance as a comforter and as a guide to a worthy destiny.

The present is a time for hope. True, the atomic bomb has brought us face to face with the fact that continued strife will mean disaster and death. It is, however, likewise true, and much more worthy of attention, that the way is now open as never before for the world to reach a true unity, with world peace a necessity that can and will be obtained.

When our first parents ate of the fruit of the tree of knowledge of good and evil, they became as gods. Much as they longed to return to the garden of innocence, an angel with a fiery sword stood in their way. Their only hope for peace lay in work to make the earth give them a fuller life. Somehow the marvel occurred that in

their work they became human souls who shared the task of their Creator and came to be called His children.

The same angel with the same fiery sword prevents us from returning to a pre-atomic age. Great rewards are promised if we will use our great new powers in the effort to build a better world. Their selfish use can bring only disaster.

In the fierce competition between social systems in the atomic age the

need for strength demands that we enable every citizen to contribute to the common welfare as his abilities permit. Permanent peace can be now secure if we will work for it. Increased prosperity with broader horizons lies before us if we are willing to work for each other. Greater development of the human spirit is the inevitable consequence of the increased responsibility for using our new powers. These are among the greatest of human gods.

Gridiron Resume

AS LEHIGH'S gridiron machine headed toward its final game of the season with Lafayette, the 1946 record showed only two victories as against five defeats. As reported in the November Bulletin the team opened its campaign by defeating the Merchant Marine 7-0, but dropped successive contests to Gettysburg and Dickinson.

With a three week lay off due to the change in semesters, the Brown and White renewed its schedule by topping a highly favored Connecticut University eleven 10-0. For the first time this season Coach Bill Leckonby had the use of his varsity backfield and the entire team quickly demonstrated that it was vastly improved as it manhandled the Uconn attack. The score at halftime was 10-0, and in the last half a second Lehigh touchdown was called back.

But the hopes which soared following this victory were quickly killed as one of the most powerful Muhlenberg teams in history came to Bethlehem, and overwhelmed the Engineers 40-7. Only bright spot in the game for Lehigh adherents came in the opening period shortly after the Mules had notched their first score. On the following kick-off Tom Fisher, freshman halfback, took a reverse on his own 12 yard

line, and behind perfect interference dashed 88 yards to score. Russ Jones converted, and for a minute the score was deadlocked. But not for long, because the Cardinal and Gray began rolling, and the game soon became one sided.

Badly crippled in the contest with Muhlenberg, Lehigh took the field against New York University the following week and thanks to the able toe of Jones took a 3-0 lead in the first period. However, the Violets came back in the dying minutes of the half to score a touchdown, and take the lead 6-3 at intermission. In the third period, Lehigh seemed to have solved the N.Y.U. attack, but the Engineers weakened again in the final frame, and the Violets scored again to clinch a 13-3 victory.

With a lopsided victory over Lafayette to its credit, the Scarlet of Rutgers invaded Taylor field the following week, and scored the first time it had possession of the ball. Not to be denied Lehigh came back on the next kickoff when Tom Fisher caught the leather behind his own goal line, and raced down the sidelines 102 yards to score. This was the longest run seen on Taylor Field in years, but it did little good because the aroused Scarlet scored at will and the final score read 55-6.

Inaugural Address (Continued from page eighteen)

ed with applications for admission, a great many of us have wondered if our selective processes are capable of identifying those students having the best potential for further development and training.

There is much here that must be recognized as red ink on our balance sheet. We would be in much better position if a large number, say 75%, if there are that many with sufficient ability, of our fifth graders should continue through high school. We would be in a much improved position if we were to select the most talented 25 to 40% of these graduated for college training. We, as a society, can foresee the results of our using or not using the talent we have by re-reading the well-known Biblical parable on the use of talents. We have now come to another of the sharp breaks in the curve which registers our educational progress. The decisions which we make in the near future will determine to a large extent the road which we are to follow, and the development which we are to achieve in the next few decades.

Decisions must be reached on how to improve the standards of the teaching profession, and make it more attractive financially and otherwise to individuals; on how to improve the subject matter offered in our schools, and the methods used in offering this material; and on how to arrange for the best talent in our social structure to receive training for leadership in spite of family finances. There is a bill before the Congress which would raise public school salaries by Federal action. This proposal should be examined carefully before we decide that this is the proper way to solve this problem. There is no shortcut to improving the subject matter and the methods used in our school systems. This will have to be done through research and through acceptance of well-informed guidance from our most skilled specialists rather than by the dangerous method of governmental edict. A practical and democratic way of approaching the ultimate goal of training talented students regardless of their financial difficulties has been presented in the Bush report to the President of the United States as a solution to the problem of training a sufficient number of capable scientists. Dr. Bush proposed that United States Government scholarships be established and awarded on the basis of ability...

much as educational benefits are now awarded to qualified veterans. If this were extended to include other essential fields, it would be a proper start toward the final goal. It is well that these problems are recognized by our educational leaders and by the government. This recognition has resulted in the presidential appointment of a committee to study our educational problems. Dr. Compton is a distinguished

Editor's Note

THE October and November issues of the BULLETIN have been delayed in reaching subscribers, and for this delay we apologize and ask that we have your understanding and cooperation.

Last May our order for paper was placed with the printer, and we had every reason to believe that the order would be delivered by September. However, September came and went. October, too, had almost closed its book before a small amount of paper was obtained. Just enough to publish the October issue.

Our quota of paper has still not arrived in Bethlehem, and we have been told (1) that it is due to the paper shortage and (2) that strikes have delayed shipment. But thanks to the efforts of our printer who has been digging into every nook and cranny we have been able to secure enough paper for this issue, and we do have a guarantee that our own order will be filled within the next two weeks.

member of this committee. We must all help them and ourselves by widespread study and discussion of these problems.

IN HIGHER education each institution is faced with a series of problems, all connected with the over-all question of how a college or university can best function in a changed national picture in education. We are faced with the task of obtaining, organizing and developing faculty and administrative personnel of recognized excellence, of determining the nature and scope of the educational program best adapted to the tradition, resources, location and potential of the individual

institution, of obtaining and properly utilizing adequate financial resources and physical facilities, and of developing the intangible assets such as traditions, an enthusiastic alumni body, and the confidence and support of our constituency to such a degree that we sell the value of our training to a larger number of students and parents.

It is true that we have no selling job to do today in order to attract students. I am afraid, however, that not enough thought has been given to the long-term effect of the present necessity of turning down large numbers of qualified students. As a part of the current picture on our campuses today, we face a situation which may result in disappointed students; who will not be as ardent supporters of higher education as they would have been had they found the kind of college life of which many of them dreamed while they were in the fox holes and at their battle stations. A great deal of tolerance on the part of both students and faculty will have to be exercised if the crowded conditions, both in the classroom and in the living quarters, are not to result in future discrediting of our higher educational program in the minds of our present students, and in the minds of their children.

WE, WHO are in the business of providing higher education, face our challenge of the century. Let us get on with the work, even under the present difficult conditions, of providing better trained leaders in larger numbers for the future betterment of our country, our world, and our civilization.

Lehigh University can be properly proud of the role which she has played in her particular fields of higher education in the past. The founders and guiders of Lehigh have done an excellent job in selecting fields of endeavor, and in doing quality work in these fields. It now becomes our combined task to see that the promise implied by this record of the past shall be fulfilled by the achievements of the future. To this end I pledge my best efforts. We are fortunate in having on our Board and faculty, and among our Alumni and friends, men with vision and courage of the same kind that resulted in the founding and development of the university. Since Lehigh has the wholehearted support of these groups I face the future here with high confidence and keen anticipation.



Kodak

Because of photography's mobility...

THIS FOSSIL was big... and fragile... and far away. Yet here it is... intact... because of photography's mobility.

Mobility: isn't this a characteristic of photography that today's fast-moving business and industry could make good use of? Indeed it is. And here are some of the ways leading executives are using it. They're utilizing...

Photographic illustrations . . . to bring product and prospect face to face.

Recordak . . . to transport condensed copies of documents to branch offices.

Photo Layout . . . to move layouts and drawings from drafting board to metal faster, more accurately.

Record photography . . . to bring accident scenes into the courtroom.

Motion pictures and slide films . . . to abolish the distance between manufacturers and markets.

Radiography . . . to bring subsurface conditions up where they can be seen.

In our booklet, "Functional Photography," you'll find other ways photography can be helpful . . . because of its mobility. Write for your free copy.

Eastman Kodak Company, Rochester 4, N. Y.

Functional Photography is advancing business and industrial technics

FOLLOWING THE *Lives* OF LEHIGH MEN

Class of 1886

EDWIN S. STACKHOUSE

111 Park Avenue, Greenwich, Conn.

Those of you who have read that new popular book by Helen Howe, "We Happy Few," have, I am quite sure, not only enjoyed a good story, well told, but had a ringside seat at a richly colored drama of all too frequent vain and futile social life and of the souls which float about and form such a futile existence.

Helen Howe is the daughter of Dr. Mark A. Howe of '86, and her book is a best seller for 1946. The New York Times of August 2, 1946, had a literary note which stated, "The Howe family is the most prolific literary family of 1946," and referred to the fact that Dr. Howe is publishing three books this year and that each of his three children will have published one, a total of six books from the Howe family for 1946.

I had a letter from Dr. Howe a month before this to the same effect and saying, "This seems almost an indecent record." And so we may conclude that the publishing of many books has not turned the heads of the Howes, and that the same old qualities of modesty and lack of ostentation still govern. Dr. Howe further explains that his three books this year are all the outcome of work for several years past which has happened to ripen simultaneously this year. Our most earnest congratulations go to the Howes.

Class of 1889

WILLIAM A. CORNELIUS

510 - 1st Ave., Bethlehem, Pa.

I am writing this out in Pittsburgh, Pa., at our daughters, Mrs. A. N. Gee, of Greentown, where Mrs. Cornelius and I are making a couple weeks' visit with our family. Our son Jack who is a Doctor practising at Broughton, and our son George at Beaver, Pa. George, by the by, has a son Billy the 3rd, who hopes to enter Lehigh next year.

I have just mailed a letter to all of you, urging you to make use of the return envelopes sent you by the Alumni Office, and send in direct your gift to

Lehigh. We went 100% last academic year. Every member of the class sending in a gift. Let's do it again this year.

Received a nice note from "Clattie" Walker. He said, "I have made a point never to buy anything sent me for sale that is unsolicited, but I am making an exception of your book 'The Lehigh Story' and am keeping it," and sent a check. Lambert was not satisfied with one copy and ordered another book so he could send one to "Dotty" Muffatt. All the copies are now sold, but I am trying to get more printed for they are surely in demand.

They are having a time housing the students. Just think of an enrollment of nearly 2800. The First National Bank, on Main Street is dividing into sections the third and fourth floors to house students and there is some talk of renting Pullman cars to stand on sidings for the students to live in. Another problem in the Admissions department is sorting out those entitled to enter from the large number of applications.

Don't forget the luncheon the first Monday of the month at Hotel Bethlehem, if any of you are in town. It will be well worth attending.

Class of 1890

HOWARD A. FOERING

Bethlehem Trust Bldg.,
Bethlehem, Pa.

Turner is one of the few I can rely upon to report progress. Working daily long hours upon research on Molecular Mechanics, he is now publishing a new book on "The Elastic Resistance of Molecular Forces to Change in Volume," a preliminary proof copy of which has just been received by your correspondent.

In some unaccountable way we forgot to report in the last notes published that F. duP. Thomson was chairman at our wonderful reunion banquet in June, and was later elected to the presidency of the class, an office occupied by Coates for many years and until his death in '39, followed by Potter, who died in '40. We believe Thomson (whose address is Elkton, Md.) will prove to be an excellent choice.

Class of 1891

WALTON FORSTALL

The Seacrest, Delray Beach, Fla.

Only one birthday in November. Congratulations to Beck who will be 78.

A note from Kemmerling and a telephone talk with Eavenson disclosed their good health.

When these words reach you, your correspondent expects to be in Florida, having gone there via a river trip from Cincinnati to New Orleans.

All of you have received the yearly invitation to do something for Lehigh. By this time, all should have sent what they could afford, and spared the Alumni Office the necessity of another appeal.

Class of 1893

ROBERT C. H. HECK

51 Adelaide Ave., New Brunswick, N. J.

On September 20 I had a visit with Schnyder Knox and his wife at their home in the Fifth Avenue Hotel. We talked and reminisced, partly on a bench in Washington Square. The Class was canvassed, with the wish that we had more information. We tried to get in touch with J. E. Miller, but his office did not answer.

Incidentally, letters addressed to the following last winter came back undelivered: Boyd, Burnett, Frost, G. A. Gessner, Gillis, Harris, W. C. Miller and C. D. Westcott. Does anybody know anything about them?

Class of 1895

FRANCIS LEE CASTLEMAN

Hotel Stacy-Trent, Trenton, N. J.

A few observations that were crowded out of the description of the fiftieth reunion in the last Bulletin.

Our impressions of the new President were favorable. He is a tall man of pleasing appearance, one on whom the gods seemed to have smiled. As we sat in the Alumni meeting and heard him talk, our mind wandered back over the years when new Presidents had been installed, and in thinking of the great hopes that alumni and trustees place in new Presidents, I recall from Hans Zinzer's book "As I Remember Him" the following: "Trustees expect him to combine the talents of the manager of a biscuit factory with those of a great intellectual leader. They endow him with omnipotence but fail to grant him the power of infallibility."

Owing to the large number of alumni returning, the planners of the Victory Reunion were hard put to find quarters for all, so all dormitories including those of the Fem-Sem were thrown open for alumni occupancy. In talking with some alumni of my day, I inquired where they were stopping. They replied in a rather embarrassed way that they were stopping at the

Already a Sensation —

32 ALUNDUM Grinding Wheels

INTRODUCED only a month ago, the new 32 ALUNDUM Grinding Wheels are already making truly sensational records. And there are definite reasons.

32 ALUNDUM Wheels are Sharper

By a patented Norton electric furnace process the grains of "32" form as single crystals of correct size — each one with a nubby surface and many sharp points. And there's no crushing operation to produce flat surfaces. When the grains of 32 ALUNDUM abrasive are bonded into a wheel there are always many sharp points exposed.

There's More Usable Abrasive in 32 ALUNDUM Wheels

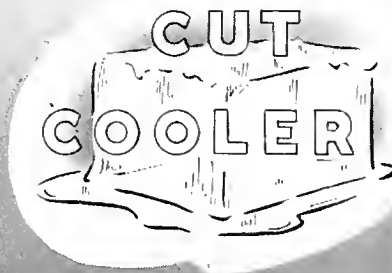
32 ALUNDUM abrasive is over 99% pure fused alumina—no slag—no pores. You not only get more sharp cutting points in a 32 ALUNDUM wheel but points that don't dull easily because they're all usable abrasive.

Ask your Norton abrasive engineer to give you a Vectograph demonstration of the new 32 ALUNDUM abrasive.

NORTON COMPANY, WORCESTER 6, MASS.

Distributors in All Principal Cities

W-1078



NORTON ABRASIVES

TRADE MARK REG. U.S. PAT. OFF.

Fem-Sem. Now as I knew that in their college days these particular men had done considerable hanging out around the Fem-Sem, I inquired as to their present reactions. They replied that they were realizing a dream of fifty years ago, but also it was the old story of "too little and too late."

The '95 paraded in fancy socks woven in brown and white with every fourth row of maroon, the class color. The general effect, owing to maroon being a more predominating color, was that of red socks. Now the way the boys stepped out in the parade and the way they recalled many feats of valor and romanticism, it was the general opinion that a red sock is an instrument, having a certain psychological value in pepping up the older boys. These socks were presented to the class by our own Benny Loeb.

The joint dinner with '96 was memorable not only for the singing, talk, banter, etc., but especially for the food served. Most of the meals during the reunion are best described by creating an adjective out of the name of a well known insect. But this was a real dinner, especially to those who had felt the meat shortage and had not been able to face or meet black market requirements. A piece of roast beef was served a half inch thick and as big as a dinner plate, or "Fifty year plus" badge, and it was voted to be the best

piece of beef that any one present had ever tasted. There were rumors which I could not definitely confirm that a '96 man had cut down a steer from his private herd and brought to the Hotel enough beef for the joint dinner. What greater love could a man show for his class.

On Sunday morning I encountered two of the '95 who had rather slicked themselves up and were evidently starting out on some mission. Upon close questioning they advised they were going out to look up some girl friends of college days and whom they had not seen since. They had made appointments by 'phone and were all set for an "after fifty year" impression. They seemed to be worrying over how the girls might look after fifty years, but seemed in no way disturbed by how they might look to the girls.

This incident could contain all the elements of comedy or tragedy that furnish grists for the mills of a Shaw or Balzac. I have no way of getting the girls' reactions but I am asking, by this column, the '95 men involved to write me giving some of their reactions.

Class of 1896

WILLIAM S. AYARS

269 Leontia Ave., Leontia, N. J.

This time I hope my letter gets into type. I was under the impression that

my previous effort was in time, but great was my annoyance and chagrin when the July issue arrived on 14 Sept., with a blank space where '96 should have been. I am not really getting this in on time, because on 23 Sept., Mrs. Ayars and I started on a trip to New England and only got home Saturday night, the 5th of October. The front vestibule was piled high with mail and included in the assortment was a postcard from the alumni office notifying me that the column for the November issue was due on 4th of October. But I will hope for the best.

No single item of class news has come home of late, but there is nothing new about that. I found letters here from *Rosie Thorn* and from *Bud Sweitzer*, '28, both very personal.

The first stop on our recent trip was at Buck Ayars "Hillandale Farm" on the coast about 9 miles from Westerly. We had a delightful visit there of 8 days, and sampled many products of Buck's agricultural skill, especially his hybrid sweet corn and grapes in variety. From Westerly we drove for brief stops with relatives in Plympton, Mass., and Farmington, N. H., then west and south, crossing the Hudson at Troy and home via U. S. Route 9-W. For over an hour Saturday morning, 5 October, we drove between snow banks along the road, the remains of a heavy fall on the previous Monday. This was in Vermont. Everywhere through wooded sections we ran across small portable sawmills near the road busy cutting up small and medium sized logs, and trucks hauling away the boards. I doubt if many of them had more than a week's seasoning, and surely do not envy the people who buy new homes built of such material. Everywhere we heard from local residents of the shortage and inefficiency of labor, and of the interference and general "cussedness" of the O.P.A. Though the New England farmer is pretty shrewd, and like Kipling's Head Master in "Stalky and Co." usually knows a way "around, or over, or under." We didn't find much meat in the restaurants, but there was plenty of fruit, vegetables, milk, eggs, fish, clams and poultry.

This seems to be sufficient work for today. Please write now and then.

Class of 1897

JAMES H. PENNINGTON

P.O. Box 159, Trenton, N.J.

Had a fine letter from Simpson, '96, from Red Bank, N. J., a beautiful spot. I lived near there some years ago, and like it very much. John corroborates what I think, at the last reunion in June, the fellows of our time who are still in harness show their ages less than those who are retired. There are lots of '96 and '97 men, who, according to the inviolate judgment of certain employers, should be shelved and allowed to die a peaceful death, but they are too pig-headed to see it that way, and just keep on working—



"for all Returning Lehigh Men"

THE HOTEL BETHLEHEM

BETHLEHEM, PENNA.

AMERICAN HOTELS CORPORATION, N.Y.

J. LESLIE KINCAID
President

ALL THINGS HUMAN CHANGE . . .

1936



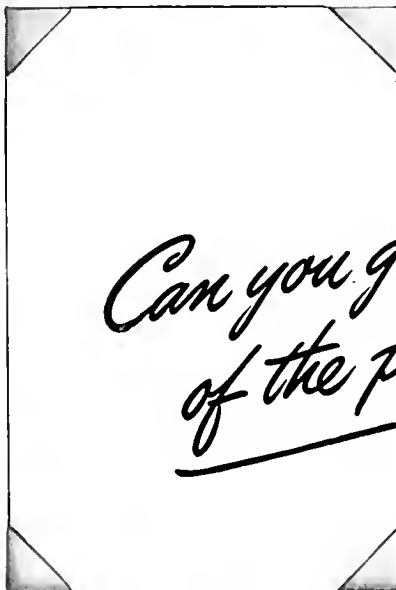
1940



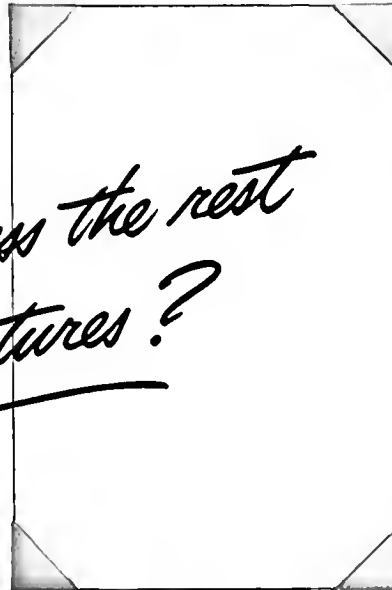
1944



1946



1950



1956

If this were your family, you'd know what you want to see in future photographs. But will you?

Have the children's education and mother's needs been provided for—just in case you step out of the picture? Or, even if you live long past your span—will you be free from financial worry?

Perhaps you're all set—no matter what happens. But remember, *all things human change*. The perfect insurance program of a year ago may not fit your needs now. Wouldn't it be a good idea to check up on your policies with your New England Mutual Career Underwriter today?

New England Mutual Life Insurance Company of Boston



George Willard Smith, President Agencies in Principal Cities Coast to Coast
The First Mutual Life Insurance Company Chartered in America—1835

These Lehigh—and hundreds of other college men, represent New England Mutual:

DAVID MARKS, JR. '32.....New York City
DEAN CAREY '31.....Wilkes-Barre

We have opportunities for more Lehigh men. Why not write Dept. AG-11 in Boston?

poor goofs! John and I are in that class. John says that he is still very active, with no thoughts of retiring. There the parallel ends, though I don't know about that either, as John expects to build a new house as soon as the materials situation clears up, and I expect to go on a cattle raising farm several generations from now, so I think that we will string along together for quite awhile. All you birds are welcome to join us. We'll call it the "Long Life Club."

I have a long letter from Noerr, written during the summer, and can quote parts of it only, as it's entirely too long. He says, "My personal health is good, and I do anything that the stiff knee permits. I do not go to public gatherings, ride on trains, trolleys or busses. I do any kind of work around my house as long as I don't climb ladders. I still have Edna, who acts as dietician, cook, business agent and chauffeur—any work to keep the old man on his feet."

"My son, who graduated as a Chem. Eng., at Lehigh, works in New York and lives in Stamford. He has a son 16 years old, and his hobby is raising Cocker Spaniels. I expect to go to the Connecticut Shore and stay there well through October. I doubt if I shall meet with any of the gang at the 50th, as I am not feeling equal to going through that turmoil. Lehigh will never be the same to me since so many of my friends have passed on. They surely talked my language, and I would miss them greatly."

I don't quite get that "old man on his feet" stuff. I am sorry that Bob and Bud will not be with us next June. They are both good fellows and we shall miss them greatly. Perhaps things will look better to them at that time.

I think that I have exhausted the sources of the Ringer stories. I have no new ones this month. Perhaps some of you have anecdotes of others which would be of general interest. If so, send them along and we will use them. I do know of an '98 man who asked Pop Klein to hold his books, while he went in to see the President. I don't believe that Pop said anything. I do not know what he thought.

I forgot to tell you that Bob sent me some photos of himself, taken this year. I'll ask the Bulletin to publish one of them. The other is in the nude, and would shock you.

Class of 1898

HENRY BORHEK

30 Wall St., Bethlehem, Pa.

Slogans—which I personally abhor, but which are much in evidence in the present day world—seem to fill a pressing need.

Consequently, with our 50 Year Reunion coming on in '48, and with a class mailing list of 58 names, I propose that the class slogan be—until after June '48—**50 Men Back In '48.**



ROBERT C. NOERR, '97

"I don't climb ladders"

The reservation of bed rooms and a private dining room at the Hotel Bethlehem for our 50th reunion in June '48 has been attempted, but the management will accept no future reservations until after Jan. 1, 1947,* when a new register will be opened.

* Note—The Class Secretary will be sitting on the Hotel doorsteps when the doors open early on Jan. 1, 1947.

If this early bird business fails, we will again call on George Davies—our Class President Emeritus—to exercise his persuasiveness to secure the required accommodations.

Up to this time the present correspondent has not been burdened with mail from class members. President Roper has written several times about class affairs and always closes with the emphatic assertion—"Didn't we have a good time at our '48th Reunion!"

Daggett, also, feels the same enthusiasm and urges that the members of the class constantly keep the date of June 1948 before them.

Childs writes that during September he spent a pleasant and profitable week in Buffalo, N. Y., for a little rest and a check up by his physician. Childs, also Roper, suggests that any member of the class desiring the original photograph used in making the cut of himself in the '98 class book write to the Secretary, Borhek, and secure same, postage free.

Referring to the picture in the July Alumni Bulletin, "The Class of 1898 celebrates an informal reunion year," left to right, carrying the banner are: —?, Waring, Borhek, Wiegner. Behind them, Gass and Wooden are easily distinguished and farther back Roper can be recognized. Who will identify the man on the extreme left?

Looking at the statistics on pages 20 and 21 of the recent July Bulletin, one

interesting fact concerning '98 stands out prominently. Only 12 class of '98 men paid subscriptions to the Bulletin for July '45 to June 30, '46. Apparently this means that only 12 '98 men read the masterpieces sweated out for the Bulletin by the class correspondent. I'd like to suggest to those who receive the Bulletin, that they pass it on to other '98 men who are not subscribers, or clip the '98 letter and send it to one of their classmates—with whom they correspond or are in touch otherwise. In addition to the above, you can pick out from the statistics other interesting (discouraging?) facts concerning our class.

Since the deadline for the November issue of the Bulletin is October 4, and the mailing date of the Oct. issue is Oct. 11 (maybe!), no report can be given at this time on the "Free Prize Offer" of a photograph, as made in the October Bulletin, to those daring members of the class who will write a letter to the secretary.

Class of 1899

PROF. ARTHUR W. KLEIN

43 Wall St., Bethlehem, Pa.

There is no news of members of the class except in the case of Gene Grace. On Saturday, October 26th, the Council of Class Agents met for luncheon and were addressed by Gene. They spent the afternoon together in discussion of means of raising money for the University and dined at 6:00 P.M. at which time President Martin D. Whitaker addressed them.

If you fellows want a lengthy and newsy column—it can be had. Just drop your correspondent a line and a more interesting column will be yours.

Class of 1901

SAMUEL T. HARLEMAN

110 Wesley St., Bethlehem, Pa.

We have been trying to get out a letter to all classmates, but have been unable to find the time, hence we are using our Bulletin column instead. With the death of our beloved President "Slim" Wilson last July, we find ourselves without executive officers. "Bill" Ehlers, our all-time Secretary, is the only class officer left. Therefore we believe that the members of the class should write to me with suggestions as to who should be nominated for the following class offices: President, Vice President, Treasurer, Historian. After receipt of these letters we can then prepare a list of candidates so named and hold a letter ballot. Let us hear from you regarding this as soon as possible.

Just to remind those of you who may have overlooked it, now is the time to send in your contributions to the Lehigh Alumni Fund and other items listed on the Alumni Association bills sent you recently.



ANOTHER REUNION . . .

*"the green light was given for this issue"***Class of 1903**

E. ROBINS MORGAN

Lehigh University, Bethlehem, Pa.

Recently a folder was received with some information which was of interest to me and will be to you also.

Our classmate, Professor **Henry R. Trumbower** of the University of Wisconsin, was given the honor of presenting Mr. S. C. Allyn, President of the National Cash Register Company, to receive the honorary degree of Doctor of Laws from Dr. E. B. Fred, President, University of Wisconsin.

During the past summer Henry passed through Bethlehem and called on me. He appeared well, happy and prosperous. I hope he will be able to join us for our forty-fifth reunion.

with him from the campus our new coach, and there was plenty of talk on Lehigh doings and football prospects in particular.

Inasmuch as the class correspondents are given urgent invitations to enclose pictures for the L. U. Bulletin, I'm taking them up this month. The Victory Reunion was late in June this time, our class picture was too slow in being printed for insertion in the July Anniversary Bulletin which didn't reach us till September, so **Stepper** gave his O.K. and the green light to shoot it in the next Bulletin issue. There are thirty in the group on the Library steps—**Bill Stair** and **Frank Wrightson** missed being in it ("lost" somewhere on the campus)—there should have been thirty-two,—even so,

our class had as many show up for the 40th as the 35th—a remarkable showing. Eighteen wives, daughters, sons of '06—making 50 in all, attended **Dave** and **Mrs. Dave Brillhart's** gracious afternoon reception.

Class of 1909

LOUIS P. STRUBLE

230 Winding Way, Merion Station, Pa.

The picture below shows the physical condition and mental attitude of all those who attended the '09 Reunion, and I think you will agree that those who failed to attend missed a good party. Can you hang the right name on the entire crowd? Those present were: **Bellis, Flory, Petty, Struble, Carrier, Hechinger, Ridgely, Taylor, Desh, Osbourne, Stobacius, and Walters.** I understand that several other members of the class were in town on June 22 but failed to arrive at the dinner.

A letter from **Sam Schealer** says that he, **Cope Callen** and **Ernie Mervine** had a private little reunion of their own in St. Louis, June 22, and were very sorry they were unable to join the rest of us in Bethlehem.

Johnny Clarke, who is now located at 32 S. 6th Ave., La Grange, Ill., is in the engineering department of the Electro-Motive Division, General Motors Corporation, building Diesel-electric locomotives.

Class of 1911

FRED E. GALBRAITH, SR.

182 E. Pierrepont Ave., Rutherford, N. J.

We had hoped to have a picture of our reunion gang in the Bulletin along with our account of same, but something went hay-wire. This in spite of **Sam Wagner's** valiant efforts in getting a print to the Editors by the deadline. Thanks anyway, Sam.

Class of 1905

WILLIAM H. LESSER

1322 Myrtle St., Scranton, Pa.

Each month I receive a reminder which says, "class columns for the next issue of the Bulletin are now due." My files for this issue showed not a single news item worth reporting. So, boys drop me a note, just as soon as you read this, and tell me the news for the next issue.

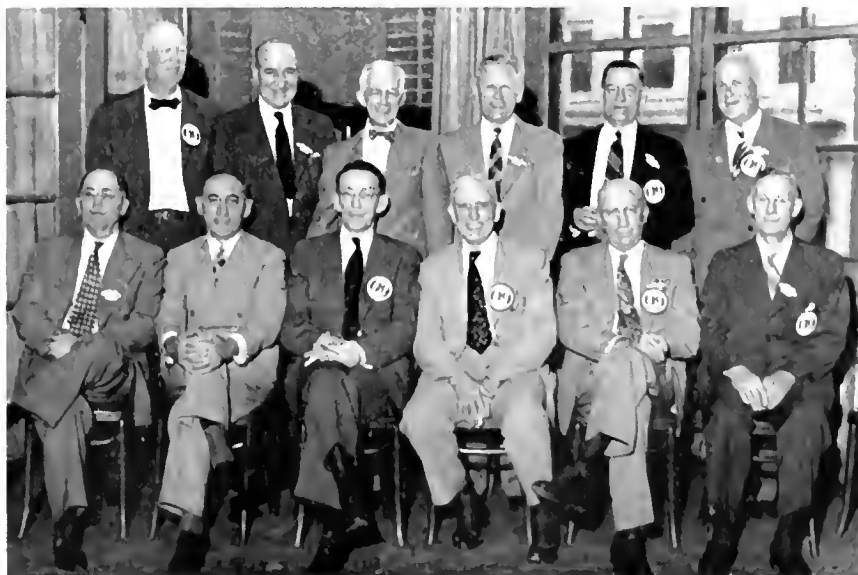
Class of 1906

NEWTON G. SMITH

*Fort Pitt Bridge Works
Pittsburgh, Pa.*

On Wednesday night, September 11, at the Duquesne Club in Pittsburgh approximately 100 Lehigh men got together for a good dinner and a good time. **Dick Buck**, '21, new President of the Alumni Association, came on from New York, **Len Schick** brought

... AND STILL ANOTHER

"the physical and mental condition is evident"

All together now, fellows:

"Ach, Na, Yah!
Donnerwetter yet,
Dose dem Lehighs,
You just bet!
AIN'T IT?
GLADDING!

That is by way of letting you know that our Sammy has been made Superintendent of the Saucon Plant of the Bethlehem Steel. That dam' plant is so big that Sam will need a jeep to go to the johnny. Congratulations, Sam, and more power to you.

Small World Department

A young Chinese engineer came in to see me recently in connection with some construction matter, and during the course of our conversation, it developed that he knows **Chinchoa L. Kwong**, having seen him as recently as December 1944. He has given me what he thinks is Kwong's address, which I am trying to confirm. According to my informant, Kwong was with the American Red Cross back in 1942 and later operated a factory making molasses. He also had a pig farm, feeding the pigs on the refuse from the factory.

Chesley Thornburgh dropped in to see me recently, and while he was in my office I introduced him to one of the Department of Commerce career men, whose father, **Courtney Langdon**, was Instructor in Modern Languages at Lehigh from 1882 to 1885. That put him away head of Prof. Thornburg, who came to Lehigh in 1895.

"Limit your contributions to 600 words" says the Bulletin staff. Reminds us of the old definition of Love—"The tenth word in a telegram."

If this column is insufficient, read that of the 1940 Class.

Class of 1913

EARLE F. WEAVER

% P. P. & L. Co.

Cedar and Buttonwood Sts., Hazleton, Pa.

Just as I was tearing my hair trying to find something to write about our ever faithful **Leon T. Mart** dropped me a short note to tell me that while passing through Colorado Springs recently, he and Mrs. Mart stopped over long enough to have dinner with Mr. and Mrs. **Hayden P. Rouse**. Tom advised that it was a very pleasant reunion as these two thirteeners had not seen each other but once since graduation. As you would naturally expect, they have already planned to get together again next summer and, oh, yes, they did talk about our 35th Reunion in 1948 to the extent that Hayden expects to do everything possible to be with us in Bethlehem for the big Reunion that June.

While I surely appreciated hearing from Mart, it is too bad he didn't have more of the fellows to write about. O.K., Leon, we will expect a longer letter from you next time.

As I told you last month, space requirements in this column made it necessary for me to stop spouting about the interesting contents found on many of the return cards sent in immediately prior to our Victory Reunion last June, long before I was ready to sign off. As I promised you, therefore, and as the space will permit, I'll give you another blast of comments, quotations and what-have-you.

"**Stau**" **Muthart**, as we would expect, would almost be willing to dismember himself to join the crowd as evidenced by his reply. "Would give my left lung to make it—looking forward to the big one in the making." In addition, he included a note to **Bob Dynan** which ran as follows. "The work you boys are doing in keeping our gang alive is appreciated, I am sure by everyone of us. Hope to be able to do my share across the board one of these days. Best regards to Sunnie, you, and all the others."

"**Judy**" **Price** wrote, "Lots of luck" and advised that he would try to attend the reunion, if possible. Too bad that "Judy" didn't make it—perhaps politics is keeping him too well occupied. Better luck next time.

Lloyd Rooney checked in at "Will not" and added, "Sorry I can't make it this year. Best wishes."

Guy A. Rupp sent his regrets with "I will be glad to pay my share of the expenses but my health won't allow me to get out with the boys. That is a thing of the past for me." I personally called Guy on the phone in an attempt to get him to change his mind and found that he is on the water wagon and on a strict diet as well. Here's hoping you'll be back to normal in plenty of time to join us at our 35th in 1948.

Bud Schmidt made no check marks or X's but wrote a note to Bob stating, "June is a bad month for me to be away from business, especially now that business is good. I was in New York in April for the first time in five years and between the importers and lawyers I never had a moment to myself. This Fall I will have to spend a lot of time in San Francisco as I am moving my store to a larger and better location. Besides silver, glass and china, I am now adding fine antique furniture."

Pat Seguire sent his regrets and stated, "Expect to be on the west coast about that time but know you will have a good gathering. Best wishes to you all. Personally, I am in the best of health, have a 30 inch waist and the same old appetite. Tell them not to put my name on that plaque. I was only the skipper of an L.M.D. (large mahogany desk to you lubbers). As the coat said to the shirt, *Hasta La Vesta!*"

Leroy J. Sindell, Sr., advised he could not come and included his new address at 693 Candlestick Road, Bldg. 46, San Francisco 24, Calif.

Chandler Weaver stated that he could not join the reunion because it

is "too hard to leave cool, colorful Colorado in June" and to prove it wrote the note in pea green crayon.

Class of 1915

WILLIAM H. KELCHNER

5313 Sylvester St., Philadelphia, Pa.

"The time has come, the walrus said,
To speak of many things,—
Of shoes, and ships and sealing wax,
Of cabbages and kings."

With this issue I am forced to state a few facts in connection with the writing of the Class Column. For more than two years I have tried to give you the kind of column I thought you would like. Bits of news about all the men in the class that would appeal to you, and have a tendency to bring us closer together as classmates—and Lehigh men.

In order to do this I have written many letters to you. I have written as many as five letters to a few of the men, and am still waiting and hoping to hear from them. To a great many more of the class it has taken but one request for news. The cooperation from the majority of the Class has been splendid, and, I assure you, greatly appreciated, BUT, this column business isn't just a one letter affair. There must be a continuous flow of news from you from time to time. When I write to you asking for news, that is the time I need your contribution, and if you will but answer my letter—that's all I need. I can at least say I've heard from you.

I am most willing to do this job the right way—but I refuse to do it half way or any other way. So "come in" '15, let's do this job one hundred per cent—or give it up!

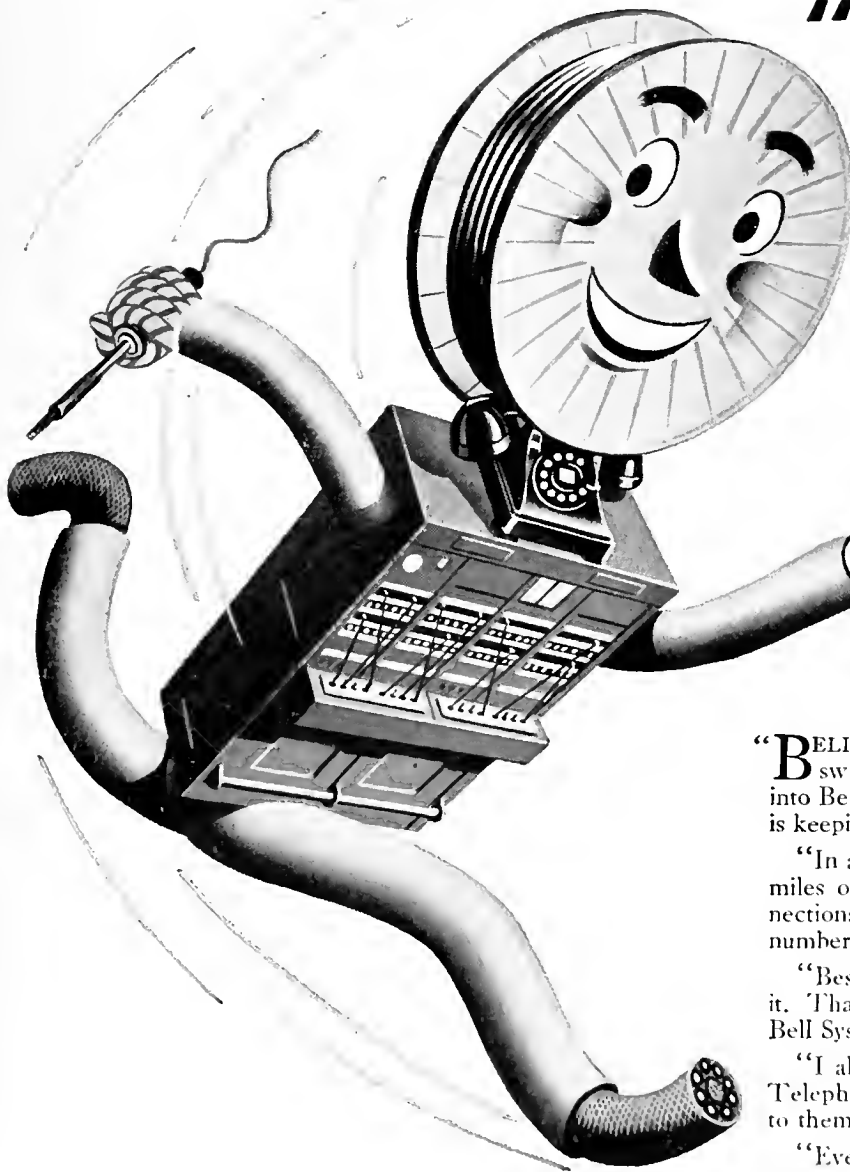
Bearing date of September 11 is a letter from "**Si**" **Ballinger**—one of the boys who is always prompt with his replies. "Si" as you know, is in the insurance business with offices in Newark and New York City—with residence in Elizabeth. He tells me he spends the time from January 1 to April 1 in Palm Beach, which makes me regret the fact that I did not stick to the insurance business. For recreation "Si" plays a "bang-up" game of tennis and does a lot of swimming.

On Friday the thirteenth, **Niel Matheson**, another member of my "heavy artillery" came through with his contribution, to tell me how disappointed he was to miss the reunion. Old man business just won't give in at the desired time for us, it seems. Matty tells me he has had a surprise visit from "**Heu**" **Shellenberger**, '14, and his wife from Cleveland, Ohio. I'm sure you all remember "Hank" who, not only was one of the best pitchers of our time, but also played center on the basketball team.

And then, I talked with "**E. P.**" **Humphreys** one day last week to get his reaction on the reunion. Hump agrees with me it was the best ever



**"Wow! This job
sure keeps me
hopping!"**



*Provide more
than 2,000,000
telephone lines
in 4500
central offices.*

BELIEVE me, fitting all the new dial and manual switchboard equipment and long distance facilities into Bell System central offices all around the country is keeping me mighty busy!

"In a single big dial exchange there may be 4,000 miles of wire. I may have to solder 2,500,000 connections before everything's ready for you to dial a number.

"Besides *installing* this complex apparatus, I build it. That's part of my job as *manufacturer* for the Bell System.

"I also *purchase* all manner of things for the Bell Telephone Companies... and *distribute* these supplies to them along with the equipment I make.

"Ever since 1882, I've been helping to make our nation's telephone service the best in the world. Today...with the Bell System's construction program of more than \$2,000,000,000 in full swing... I'm busier than ever.

"Remember my name... it's Western Electric."

MANUFACTURER... PURCHASER... DISTRIBUTOR... INSTALLER...

of 43,000 varieties
of telephone
apparatus.

of supplies of all
kinds for telephone
companies.

of telephone
apparatus and
supplies.

of telephone
central office
equipment.



Western Electric

A UNIT OF THE BELL  SYSTEM SINCE 1882

and that we should have more of them while we have our youth and can enjoy them. That "youth" business reminds me of the framed message over the Manila Headquarters desk of Gen. Doug. MacArthur—it's worth while reading. "Youth is not a time of life—it is a state of mind. Nobody grows old by merely living a number of years; people grow old only deserting their ideals. Years wrinkle the skin, but to give up enthusiasm wrinkles the soul. Whether seventy or sixteen, there is in every being's heart the love of wonder, the sweet amazement at the stars and the starlike things and thoughts, the undaunted challenge of events, the unfailing childlike appetite for what next, and the joy and the game of life.

"You are as your self confidence, as old as your fear:

"As young as your hope, and old as your despair."

It is my hope that this message will inspire you to hereby resolve that we as a class will not lose our enthusiasm for Alma Mater and the things Lehigh stands for, and the things she has done for us—and keep the banner of the Class of 1915 ever before us, wherever Lehigh men gather together.

And now—until next issue—I hope!

Class of 1916

EDWARD J. CLEMENT

10 Washington St., Hempstead, N. Y.

Here are the names of some more of the boys that trekked back to our 30th Reunion: Russ Baker, Jake Hagenbuch, Stan Martin, Rusty Mayers, Bill McCauley, Charlie Panles, Fred Shay, Larry Stem, and Stritz Stritzinger. One guy who wasn't there, thank heaven, was that bird Kilroy. He probably went to Easton by mistake.

This space is supposed to be reserved for news about 16's. When we don't get any gossip about anybody all we can run here is empty white space. But we are sure that the Bulletin wouldn't leave a space blank even in our memory, so we'll have to fill it with a lot of tripe, because we'll be d— if any other no-good class is going to get the space we're entitled to.

So here goes about that little business left over from last month. The story of why 1916 lost the class cup in the parade. As 16's noble sons marched around the campus in the best St. Patrick's Day Marching, Chowder and Literary Society form, wave after wave of cheers broke out from the distinguished spectators as they recognized merit when they saw it. "Ah's! Viva's! and

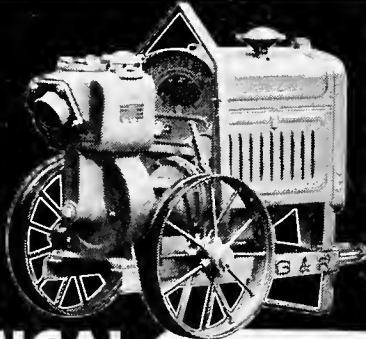
Huzzahs!" thundered across the campus, rolled against the rocks of old South Mountain only to be echoed back to ricochet along the ivory skulls of the vast assemblage.

The applause for 1916's marching style was stupendous, epochal in its ear splitting resonance. The crowds surged to judges stand to see our triumphal finish.

Even the judges nodded their heads in unanimous approval as they poised their pencils in air, ready to jot down a "1-A" opposite 1916 on their score pads. As we approached the finish line, the crowd suddenly became stilled in their reverent awe. This silent homage was rudely broken by a raucous "Boo" followed by cheers a la Bronx, and Brooklynese cacophonies spattered with cries of "Ya! What a bunch o' lousy Bums!"

The judges were stunned at the desecration—such language and noises had never before been heard on the campus. So overcome were they that their hands shook so badly that they marked down a "4-F" by mistake on the tally sheet opposite 1916.

It seems that a bunch of 1917's were seen near the judges' stand at that moment, and some totally unbiased persons swear that the disrespectful



**SIMPLE
STURDY
and
ECONOMICAL**

Gorman-Rupp centrifugal pumps will save time and money on any pumping job. Their simplicity of design and rugged construction insures trouble free performance. They will pump as much or more water for more continuous hours than any pump on the market. Your nearest distributor will assist you in choosing a Gorman-Rupp pump to fill any requirement.

JAMES C. GORMAN, '10

President and Treasurer

THE GORMAN-RUPP COMPANY
MANSFIELD • OHIO

Packaged Product **Marley** **ATMOSPHERIC SPRAY TOWERS**

**STANDARDIZED
PREFABRICATED
RUGGED
DEPENDABLE**



MARLEY **COOLING TOWERS**

Double Flow, Conventional, Unit Vertical, Spray, Spray Nozzle

THE MARLEY COMPANY, INC. • KANSAS CITY 15, KANSAS

L. T. MART, '13, PRESIDENT

THE MARCH OF SCIENCE

**BARK A LOG BETTER
AND YOU GET MORE
PAPER..FINER PAPER!**

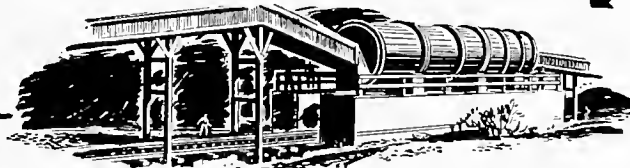


BEST WOOD PULP
FOR PAPER CONTAINS
NO BARK, NO DIRT.
HAND BARKING AND
CLEANING IS SLOW, COSTLY, OUT OF THE QUESTION
FROM A PRODUCTION STANDPOINT.....

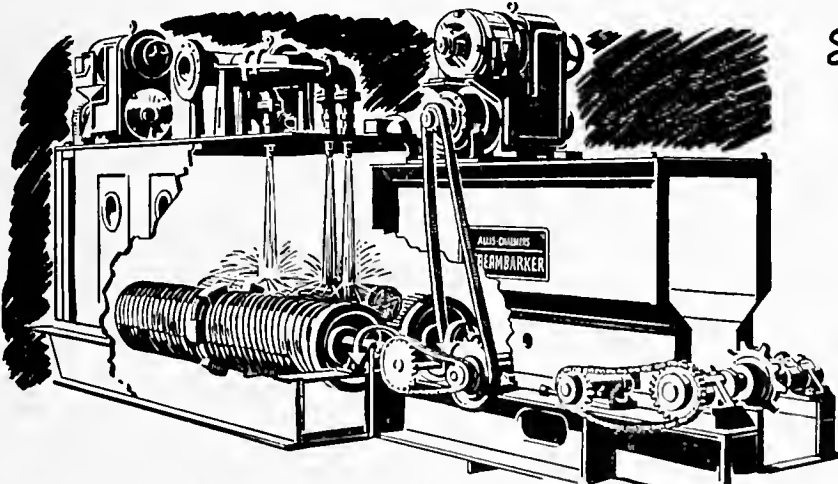


90% OF ALL
PAPER IS MADE
FROM WOOD!

CONVENTIONAL DRUM BARKER SOLVES
THE PRODUCTION PROBLEM BUT
INVOLVES HUGE MACHINERY...
WASTES VALUABLE WOOD
FIBRE.....



AMAZING NEW STREAMBARKER DEVELOPED BY A-C SCIENTISTS!



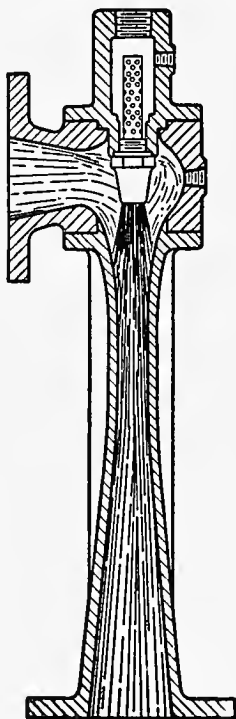
THE STREAMBARKER...BORN OF SCIENTIFIC RESEARCH
AND SKILLED ENGINEERING IS TYPICAL OF DAILY PROGRESS
BEING MADE ON MANY OF THE 1600 DIFFERENT PRODUCTS ALLIS-CHALMERS
BUILDS FOR INDUSTRY TO SERVE THE WORLD... **ALLIS-CHALMERS, MILWAUKEE, WISCONSIN**

SCARCITY OF MANPOWER AND RAW
MATERIALS MADE BETTER BARKING
IMPERATIVE. A-C HAD BEEN USING
WATER UNDER HIGH PRESSURE FOR
CLEANING CASTINGS. SIMILARLY,
COULDN'T LOGS BE BARKED AND CLEAN-
ED HYDRAULICALLY? THE STREAMBARKER
WAS BORN. SCIENTIFICALLY CONTROL-
LED JETS OF WATER REMOVE BARK AND
DIRT BY EROSIVE ACTION AS LOGS ARE
REVOLVED AND PROPELLED THROUGH THE
BARKER. RESULTS—IMPORTANT WOOD
CONSERVATION..MORE AND FINER
PAPER FOR MR.& MRS. AMERICA!

ALLIS  CHALMERS

ONE OF THE BIG 3 IN ELECTRIC POWER EQUIPMENT
BIGGEST OF ALL IN RANGE OF INDUSTRIAL PRODUCTS

STEAM JET EVACTORS



for DEPENDABLE INDUSTRIAL VACUUM

Numerous Croll-Reynolds Evactors are working overtime maintaining high vacuum in plants making explosives, synthetic rubber, airplane lubricants and a long list of other ordnance materials. They are maintaining high vacuum on engines and turbines of hundreds of American ships sailing the seven seas.

While the large and special units require up to three months or more for fabrication the smaller ones are sometimes made in four weeks, or less, when the demand is urgent. These include single and multistage units for vacuum up to a small fraction of 1 mm. absolute, also small condensers and vacuum chilling equipment.

A recent development is a vacuum-cooled condenser for maintaining condensing temperatures down to 34° F. Inquiries will be handled as promptly as possible under the circumstances.

CROLL-REYNOLDS COMPANY

17 John St. 20 N. Wacker Drive
New York Chicago

S. W. CROLL, '10

outbursts came from that group. Maybe they did—and we're the last to put it past them. But when you stop to think about it, it doesn't really seem possible. Any bunch of guys who are so old that they have been out of college 29 years would be so short winded that they couldn't raise enough breath to utter even a "Boo."

Class of 1917

WAYNE H. CARTER

735 Huntington Ave., Plainfield, N. J.

This is being written on Saturday, September 28. I should be going to the Gettysburg game instead of doing this. Certainly it would be more enjoyable.

Bernie Achorn and I had lunch at the Astor several weeks ago. Ben was on his way to Boston with Mrs. Achorn to see the World's Series and enjoy his vacation. He looks fine (as does his better half) and asked me to give each of you his best regards and say he would see you next June. When Bernie and I roomed together on Packer Avenue, boys, we weren't eating at the Astor.

Our old friend Jake Jacobson had an explosion in his plant, Ohio-Apex, at Netro, West Va., but escaped injury and got back in production fast. As an El-Met, Jake turned out to be a top Chemical Executive.

Did you read the "Colliers Clcks" articles on baseball in the last two issues? I think Brother Harry or Bill McCarthy wrote these two.

A couple weeks ago I visited Lehigh and stopped in the Chemical Department, as I do generally. This time things were different. To me, going in there and finding no "Dief" is like going to church and finding no preacher. Next September it will be thirty-three years that we knew that good old curly haired Dutchman and I tell you, I miss that guy.

Take a look at the names of the Faculty and Administration officers some time and see how many you knew way back when. It brings you up with a jolt.

Bill Wolfs who resided in Westfield, N. J., several years ago is at Lake Kushaquu, N. Y.

Whatever became of Hagglund, Benscoter and Nickum? Does anyone know? As a matter of common interest, does anyone of you know anything?

Class of 1919

ROBERT ROSENBAUM

David Michael & Company
37 1/3 D Street, Philadelphia, Penna.

Kenneth M. Bevier, our first class president, died suddenly September 23rd at his home, 8 Woods Lane, Scarsdale, N. Y. Ken was only 49. Born in Brooklyn, he was a descendant of French Huguenots who came to this country in 1675. Upon his graduation from Lehigh in 1919, Ken served in France with the Norton Harjes Ambu-

lance Unit. He and his brother, Richard, helped to organize Pan American Airways.

Ken was a member of a non-partisan committee appointed to study methods of selecting candidates for local office. He was also a member of the Scarsdale Safety Council, the Auxiliary Police Force and the American Legion, and past president of the Drake Road Association. He leaves a widow, the former Margery Wells of Brooklyn, whom he married in 1928; a son, Louis Wells Bevier; two daughters, the Misses Elizabeth and Phyllis Bevier; his brother, who lives in Larchmont, and a sister, Miss Marguerite Bevier of White Plains.

Lon Baumann, formerly with OPA, is now living at 547 Overlook Road, Philadelphia 28, Pa., and is doing research work with the Paul B. Shearer & Co. dairy products organization. He must be working very hard for we played golf together the other day, and his slice was even worse than mine.

Item for those who may travel: R. A. Wilbur would welcome a call at 375 Walmer Road, Toronto, Canada; Bill Schrader is sort of out of touch with us away out at 120 S. Second St., Globe, Arizona. How about dropping them a postal card with greetings?

Alumni dues, students grants and Bulletin subscriptions are now due. 1919 is creeping up in the percentage column. Keep up the good work by sending in that check NOW.

Class of 1920

HERBERT A. DAVIES

152 Market St., Paterson 1, N. J.

At the reunion in June John Marshall, our newly elected president, announced the resignation of Bill Hutton as class agent and stated that for the time being he will take over that work. Bill finds it impossible to continue because of pressure of other duties, and the new class agent sincerely hopes that the splendid cooperation given Bill will continue and that the class of 1920 will be among the leaders in contributions to the Alumni Fund, Student Grants, Bulletin subscriptions and class dues.

The class also voted to give its reunion assessment balance to the Lehigh Alumni Fund and accordingly a check for \$145.20 was presented to the Alumni Association by the class treasurer.

Class of 1921

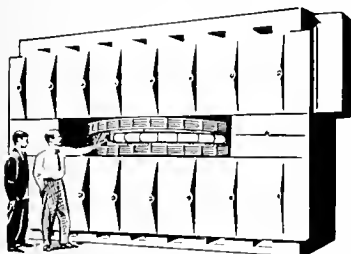
ROBERT C. HICKS, JR.

215 Powell Lane, Upper Darby, Penna.

George Roche tells me that his organization (Roche and Hull, Inc., Refrigeration Equipment) had quite a time during the war years finding necessary maintenance parts. By using items of one manufacturer on equipment of another make and various other dodges they managed to keep

NEW IDEAS *from General Electric*

MATTER FROM ENERGY



Creation of matter from energy—reverse of the process in the atomic bomb—is only one of the surprising things that can be accomplished with the aid of the 100,000,000-volt G-E Betatron. It can also:

- free particles of matter traveling at 99.99 per cent the speed of light,
- Produce the most powerful x-rays known to science,
- generate radiations heretofore available only in cosmic rays.

The Betatron is one of the big guns used by G.E. in finding nuclear facts that may be important in the production of atomic power.

GERM-KILLING LAMP

Lamps that disinfect the air through which their rays pass have been developed in the laboratories of the G-E Lamp Department.

Hospitals, military barracks, factories and schools use them to clean the air of bacteria.

Of particular importance to bakers, meat handlers and other food processors is the fact that G-E Germicidal Lamps also kill molds.

BOUNCER

In the G-E Research Laboratory, scientists turn up interesting new substances first and look for uses later.

Not so long ago they discovered "bouncing putty," a lively silicone by-product. But no one could find a use for it.

A sailor did. Hospitalized with an injured hand, he wanted something to knead in order to keep his fingers limber as they healed. Bouncing putty did the trick.



ELECTRONS AT WORK

New electronic devices worked out in G-E laboratories include:

- a canteen machine which grills hot dogs, hamburgers and cheese sandwiches in the heat of electronic oscillator tubes,
- a filter which cleans air by electrically charging motes of dust and smoke, then drawing them to magnetized plates,
- an electronic newspaper, to be delivered on radio waves soon in a dozen cities,
- a super-size 16-by-22-inch screen for G-E television receivers.

X-RAY BUSES



Four G-E built x-ray buses have been purchased by the State of Illinois to help in the fight against tuberculosis. These "x-ray rooms on wheels" will be used to conduct a state-wide case-finding T.B. survey.

X-ray buses make it possible to provide such service without prohibitive cost because of special x-ray equipment. This equipment permits the use of miniature film and cuts chest survey cost by 88 per cent in comparison with the cost of standard, large-size x-ray films.

The State Health Departments in many other states are also equipped with these units and conduct x-ray surveys in co-operation with local medical groups, and T.B. associations.

TWO-WAY BLANKET

General Electric engineers have perfected an electric blanket with which different temperatures can be maintained on both sides of a bed. Complete with two sets of wiring and dual-temperatures control, it is possible for two people in the same bed to adjust the bed warmth to their individual needs.

things running. I guess conditions are still about the same, aren't they, George?

One nice Sunday we drove across Jersey to visit the Skillmans and Knoderers. Found everyone well, happy and busy. Jimmie Skillman went back to his service of the other war (the Navy) and is still in. Says he expects to stay about another year. Their boy has several years of high school ahead of him so isn't bothering about college yet. The young man of the Knoderer household is starting his final year in high school and is registered for Lehigh next year. Claude also has two daughters—one at Wilson and the other at New Jersey College for Women.

J. J. Nesterowicz casually mentions a recent appointment as Asst. Research Director of his firm—Van Raalte. Nesty, my boy, such things should be made known more formally and with fanfare, an engraved announcement—no less! I judge from the letterhead and other printed matter on his letter as well as certain internal comments that he is also engaged in a radio program. Probably just something to occupy his spare time since he mentions having to cover only eleven plants for Van Raalte! Their son went to Princeton for a year and then into the service. Due to his knowledge of German, Polish and Russian he was spotted into Intelligence and is now in Germany. Hopes to be out by the end of the year if he can be replaced.

Class of 1922

GEORGE F. A. STUTZ
422 Edgemont Ave., Palmerton, Pa.

Emil Pasolli is a Colonel now; last reported with headquarters at Hawaii.

William S. Major is with Bituminous Coal Research, Inc., Pittsburgh, Pa.

News is scarce as usual so I'll tell you that I just had two impacted wisdom teeth removed. Reaction—not too bad; swelling—pretty big.

I will have to needle you fellows plenty on the reunion, and since it is the 25th, why not? Jack Killmer and Frank Huffman are doing the really hard work at Bethlehem. "Red" Newlin has agreed to herd the Miners, Frank Huffman the Mets and Sigma Phi, Jack Killmer the Delta Upsilon, and I have the Chemicals to catalyze. We need lots of help from others to pull the whole class out.

To get yourself really in the spirit for the 25th Reunion, sit down and write a check—for Bulletins, for Alumni dues, for Student Grants and a Gift to Lehigh. Then you will really feel ready to pack your bag for that trip to Bethlehem next June, and the big pow-wow at Flickinger's Barn.

Class of 1924

DAN P. HOAGLAND
3308 - 84th St., Jackson Heights, N. Y.

Hello, everyone again. Since last month there has been just one indica-

tion that you are still alive. That was a telephone call from Al Blake, following which we were supposed to get together for lunch. The latter hasn't materialized as yet, but some day soon we may still make it to talk about the good steak we would like to be eating.

The alumni office gives with the following news:

F. G. Stahl is working for the Florida Power & Light Co., Florida City, Fla. (Sounds as though it might have some connection with that state down in the southeast corner of the country.)

E. E. Quinlan is with Minsch, Monell & Co., at 115 Broadway, N. Y. C. (That name doesn't indicate what he or they do for a living—maybe you know.)

Ben Rease is associated with the Dept. of Public Assistance in Wilkes-Barre, Pa. (Now there is an address worth remembering.)

Your correspondent has recently enjoyed (?) three novel experiences: first, as a participant at Forest Hills in the National Veterans (45 years or more of age) Tennis Tournament; second, as a sius infection victim for ten days; and third, originally due to number 2 above, the proud possessor of a gorgeous mustache (photographs mailed on receipt of requests with proper amount of postage).

So long again.

Class of 1925

SPENCER C. KITTINGER
1893 Elmwood Ave., Buffalo, N. Y.

I received a nice letter from "Tom" Dudley acknowledging receipt of the large greeting signed by those attending the reunion and a copy of the Class picture. After fighting the TB bug for

THOMAS E. ROBINSON, '26

"a professional educator"



three years he feels he has it well under control and will be on deck for the 25th reunion in '50.

Milford Corbin is in business on Staten Island with the Standard Varnish Works. He lives in New York City with his son Richard.

"Johnny" Craig is a development engineer with the New Jersey Zinc Co. at Palmerton, Pa.

"Bill" Drury has been with the New York Water Service for sometime as Assistant Treasurer. He was married in 1929 and has three children. Commutes to New York from Morris Plains, N. J.

"Harry" Finley is one of our most recently married. He was married May 25, 1945. Now clerk of the 2nd Criminal Court, City of Newark, N. J.

"Curtis" Flory can get you a telephone I am sure. He is with the New Jersey Bell Telephone Company and lives in Green Village, N. J.

"Rufus" Feick has put his chemical engineering to good use as Products Development Engineer with Parke-Davis Co.

"Andy" Campbell has been appointed General Manager of Sales for the Eastern Container Division of Rheem Mfg. Co.

"Dick" Thornburgh has finally located a place to live in Dayton, Ohio, at 605 Roy Avenue, Apartment C.

Class of 1926

COMDR. JAMES H. LE VAN
24 Canterbury Rd., Great Neck, L.I., N.Y.

Tom Robinson is one of the men of our class who are professional educators. He answered my letter asking for news about himself by sending me a brief autobiography. Here it is.

"I am living at 46 Oak Lane, Trenton, with a family consisting of my wife and two sons. Since graduation, all my time has been spent in the field of teaching—in junior high school, in high school, in junior high school administration, and in elementary school administration. At present I am Superintendent of the Mercer County Schools. The county comprises the capital city of Trenton and its environs.

"Since graduation 20 years ago, I've absorbed a little more learning and the additional degrees of M.A. and D.Ed. Seven textbooks in the reading and English fields have been written, and have sold well over a half-million copies. At present I am also editor of a monthly magazine and a quarterly newspaper representing the New Jersey Education Association, each of which has a circulation of 28,000. As you can see, my work on the Lehigh Burr produced fruit—very dissimilar, 'tis true—in the journalistic field.

"There is little more to add. I still get in a little canoeing, tennis, and swimming—but I can't guarantee that

FOR FARMERS WHO BUY FOR **DEPENDABILITY** AS WELL AS ALL AROUND **ECONOMY...**



In the strict sense of the word time cannot be saved, but the time to do a certain job or operation can be reduced and made easier.

In this respect Dependable MM machines and tractors are time savers. Time saved means *money saved*. On the farm, as every one knows, PROFIT is what is left after the operating and living costs have been deducted. Excessive repairs and breakdowns consume time and add to costs. MM Tractors and Machines are "built to do the work and stay young longer". They have an added margin of strength to stand the "gaff" and handle big loads under tough working conditions.

When it comes to harvesting the crops in record time farmers can depend on MM Huskors and Harvestors. On the one row Huskor floating snouts equipped with 3 gathering chains get and save the corn. The two row Huskors have 6 gathering

chains, 8 full length husking rolls on the one row and 12 on the two row Huskor together with extra long 53 1/2 inch snapping rolls provide added capacity. MM Huskors pick and husk cleanly up to 25 acres of corn per day—as much or more than 12 to 18 experienced husking hands can do.

The Harvester "69" shown, is the modern one-man combine that harvests all small grains, seed and bean crops efficiently. For proper handling of trash encountered in soybeans and other crops MM HARVESTORS have "extra capacity" adjustable chaffers and cleaning sieves.

To remove dockage from small grain and beans the Harvester "69" may be equipped with the Scour Kleen re-cleaner attachment as shown. MM MODERN MACHINERY is worth waiting for, and now is the time to learn the facts on all MM products saleable in your territory.

MODERN MACHINERY



MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY

MINNEAPOLIS 1, MINNESOTA, U. S. A.

they keep me in any but a well-rounded shape."

Joe Bachman was unable to return to Bethlehem for the reunion. He has been with the General Electric Company ever since he graduated. He had been in Philadelphia up to 1941. Then he was transferred to Washington, D. C., where he is in charge of government lamp sales. Joe has three children, a boy 14, another boy 11, and a girl 2. He is living at 3737 Jocelyn St., N.W., Chevy Chase, D. C.

Lew Elliott told me that he sees **Russ Burgess** every once in awhile because both live in Connecticut. Russ lives at 11 Lockwood Drive, Old Greenwich, and Lew lives at 86 Havemeyer Place, Greenwich. Russ still is with the H. H. Robertson Company of Pittsburgh, Pa. He has two sons, 8 and 3.

Ray Shoup, who was at the reunion, had just returned to his home at 1609 Perkiomen Ave., Reading, Pa., after a long tour of active duty in the Army from February 1941 to May 1946. Ray, who has been a reserve officer ever since he completed his R.O.T.C. course in college, was a Colonel in the Quartermaster Corps when he reverted to inactive status.

A recent issue of the "Army and Navy Journal" mentioned that **Col. Jesse E. Graham**, Infantry, U.S.A., who had been on duty in the National Guard Bureau of the War Department in Washington, has been ordered to Indiana University to be the P.M.S.&T. there. Those boys at Indiana will have a real head of the R.O.T.C. there. We used to wish that he would return to Lehigh while we still were there.

I guess you have read in the newspapers that Lehigh defeated the U. S. Merchant Marine Academy's football

team. I was unable to go to the game at King's Point. It was a wet game played in rain and mud.

The alumni office sent these new addresses. **Don Heath** has moved to 5 Sylvan Road, Wellesley Hills, Mass. "**Mac**" **McGoldrick's** address should be corrected to 58 Ravine Road, West Medford, Mass. The alumni office reported that **Dick Loebell** is receiving mail addressed to 1065 Hollywood Ave., Chicago, Ill. That must be the address of his company called Indoor Weather Corporation. I will have more new addresses to list next month.

Class of 1927

HARRY O. NUTTING, JR.

123 Rugby Road, Syracuse 6, N. Y.

No doubt the campus is a sight to behold with the student body increased beyond any of our dreams. Football season upon us is a reminder that we should all endeavor to view the Lehigh-Lafayette game this year. What say, gang?

At this time, so well advanced it is needless to remind you all, that this year marks our 20th reunion coming up. Even such fellows as **Bob Richards**, Dist. Engr. for Shell Oil Co. in Central Mich. says, "believe I'll make it." We all hope so, Bob.

The only response to a request for **Cedric L. Smith's** address is: 1940 General Salesman, Tire Dept., U. S. Rubber Co., Detroit, Mich. Ced, I hope you see this. **Bob Bagby** who is here in Syracuse with me, and daily tells me of your past, is anxious for your address.

The best tale told us about Ced seems to deal with a certain appear-

ance before a judge for some reason or another (in a court room). Upon parting the Judge was sold certain stocks Ced was selling at the time. That sounds so typical—or how Sir Cedric sold us many of us "bills of goods."

To **Roge Miller** goes the prize for my money, or can any one else claim a son in Lehigh? Sounds swell Roge and with his experience in wrestling he should go far. Roge has been more than busy building 100 Octane Gas Plants for Sun Oil Co., he's a refining engineer in the vicinity of Philadelphia.

Merritt Randles of Randles Mfg. Co. designers and manufacturers of uniforms in Ogdensburg, N. Y., must have enjoyed a grand trip this summer—flight to London, Paris and a month's holiday in Sweden, like everyone else he's been working beyond his capacities for years.

Thanks, **Pete Herztlcr**, for the best and most outstanding letter of the season—wish that Len Schick would grant space for contents, anyway, my fellow classmates, after a brilliant career in the Navy in which he accomplished many outstanding records, Pete found time to court a Wave, yes, and the wedding bells rang in May, 1944. The stork flew over their residence in September, 1945, and blessed them with a son. Pete was separated from the service and rejoined his original love: York Corp., where he now capably holds down the dual position of General Sales Manager and Vice-President. Pete Herztlcr, I sincerely congratulate you and extend the best for continued success.

Let's all of us few column readers spread glad tidings of our 20th reunion far and wide.

Class of 1929

JOHN M. BLACKMAR

Tall Oaks, Summit, N.J.

Thornton E. Chamberling, one of our few widowers, has married again. In a two and a half months' flying trip this spring, Oogie went from Honolulu to San Francisco, New Orleans, New York, Boston, and 17 other cities including Kansas City, where he met and married Kathryn L. Goodman. They are now happily settled in an apartment on the Ala Wai.

Dr. Robert Maynard Brick takes a place alongside **Dean Jake Jacobi** and Treasurer **Jack Kirkpatrick** as one of our outstanding contributions to Education. This versatile chap, who played in Lehigh's renowned band three years, played the tuba for the Musical Clubs, won the 135 pound intramural boxing championship twice, besides a Tau Beta Key last spring was appointed a full professor and director of the department of Metallurgy at the University of Pennsylvania.

From 1930-1945 Brick was on the Yale faculty. On December 12, 1936

Colloid Equipment Co., Inc.

50 CHURCH ST., NEW YORK 7, N. Y.

Cable Address: "EQUIPPER-NEWYORK"

Arthur T. Ward, '13, Pres.

Affiliate in South America—

COLLOID EQUIPMENT CO. (ARGENTINA) NEWTON & CIA.

Corrientes 222, Buenos Aires, R. A.

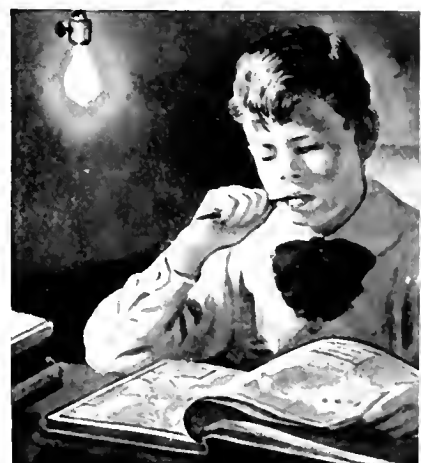
Dr. M. BLANCO AMORES, Director

INDUSTRIAL CONTROL EQUIPMENT

Timing	Temperature	Moisture	Weight
Fluid Level	Speed	Light	Density

"It is not the finding of a thing, but the making something out of it after it is found, that is of consequence"

—JAMES RUSSELL LOWELL



Why some things get better all the time

TAKE THE MODERN ELECTRIC LIGHT BULB, for example. Its parts were born in heat as high as 6,000° F. . . . in cold as low as 300° below zero . . . under crushing pressure as great as 3,000 pounds per square inch.

Only in these extremes of heat, cold and pressure did nature yield the metal tungsten for the shining filament . . . argon, the colorless gas that fills the bulb . . . and the plastic that permanently seals the glass to the metal stem. And it is because of such materials that light bulbs today are better than ever before.



The steady improvement of the electric light bulb is another instance of history repeating itself. For man has always had to have better materials before he could make better things.

Producing better materials for the use of industry and the benefit of mankind is the work of Union Carbide.

Basic knowledge and persistent research are required, particularly in the fields of science and engineering. Working with extremes of heat and cold, and with vacuums and great pressures, Units of UCC now separate or combine nearly one-half of the many elements of the earth.

UNION CARBIDE

AND CARBON CORPORATION

UCC

Products of Divisions and Units include—

ALLOYS AND METALS • CHEMICALS • PLASTICS
ELECTRODES, CARBONS, AND BATTERIES
INDUSTRIAL GASES AND CARBIDE

Bob was married in New Haven to one Dorothy Smith, and they have two sons, aged 4 and 3, and live at 4415 Marvine Avenue, Drexel Hill, Pa.

Eddie Lyons, Bob Ellis, Al Lewis and Jim Scandale are out of navy blue and back in civvies again.

Lyons, who was in the shipping business before the war, used his experience serving in the Transportation Division at Washington. When he was released last December he was a Lieutenant Commander. Recently a call to the N. Y. Office of Moore McCormack enabled me to learn the old Phi Gam is now in Scandanavia, at their Oslo office.

Another chap who sported two and a half stripes at the end of his naval career is **Bob Ellis**. Since May, Bob has been at his old stamping grounds, the N. J. Bell Telephone building in Camden. He was promoted to plant engineer, and works with **Evans Healy, '30**, district plant engineer, Camden. He, too, was assigned according to his bent and landed in the office of Naval Communications in D. C. Ellis has two boys and a girl.

Lt. Alvin B. Lewis, USNR, once again is practicing law as a partner of Meyer and Lewis of Lebanon, Pa. Al is also treasurer of the Union Boiler and Mfg. Co. Father of three, Al was inducted on May 16, 1944 and went

to Bainbridge, Md., for boot training. Our wrestling star must have shown them the rafters because he received a rating as seaman second class before being commissioned as a junior grade lieutenant on July 27, 1944.

Next Al attended sub-chaser school at Miami and in January, 1945, left for the Pacific theater. For a year Lawyer Lewis (Dickinson, '37) served at our Naval Base at Hollandia, first as legal assistance officer, then on the Judge Advocate General's court martial, and finally as ship's officer. He became a lieutenant December 1st and his terminal leave ended January 19. Al and Ethel (nee Light), who in 1931 were the winners of our Class Baby Cup, now have a nice sized family comprised of Junior, 15, Elizabeth, 11, and Warren, almost 7.

Lt. Comdr. James S. Scandale served with the celebrated Sea Bees from May 7, 1942 (when commissioned JG) to July 11, 1946. From September, 1942, to November, 1944, this civil was located all over the Pacific with the 10th U. S. Naval Constr. Bn., of which he was senior construction officer when he returned to the States. His last assignment was assistant public works officer at the U. S. Submarine Base, New London, Conn. Before the war Jimmy gained invaluable experience with the Pennsylvania Highway Department. Now Scandale is secretary,



ROBERT M. BRICK, '29
"He once played the tuba"

treasurer, and construction engineer for Radio Station WARM, Scranton, and he also engages in private practice. Jim and Lucille live in Moscow and have a 6 year old son, Jimmy, and a 2 year old daughter, Rosemary.

Class of 1931

ROBERT H. HARRIS

78 Twin Falls Road, R. D. #1
Scotch Plains, N. J.

The following men attended the reunion in June, for all or part of the activities: Harry Andrews, Jack Anderson, Bill Billman, Bob Brown, Bob Bresler, Bill Brady, E. R. Binkley, Max Carlin, Steve Condit, Phil Davis, Cal Davidson, Roy Drukker, Chick Eldrad, Fran Evers, Bob Engelman, Bill Engle, Walt Forstall, Henry Faust, Bill Furman, John Folwell, Charlie Folwell, Steve Gregg, Frank Gadd, Ken Glace, Bob Harris, Jo Hunoval, Chunk Harding, Jim Hartman, Pete Harrower, Bill Herman, Sam Hall, Charlie Jeanson, Ken Kost, Og Kantner, J. E. Knecht, John M. Lyons, Jack Macartney, Gene Monteneourt, Harry Miller, George Mcharg, George Nisbitt, Hank Newhard, Harry Onsey, Dick Powers, Luke Platt, Frank Rushong, Paul Seal, Irv Shaffer, Ed Savastio, Jo Sanna, Bob Sheen, Ed Sindel, Roy Snyder, Felix Shay, Rufe Savage, Art Thornton, Milt Tunick, Bill Tomlinson, Ralph Wesner, Gus Werft, Art Williamson, John Weysser, Paul Weimar, Lou Wanner, J. R. Walsh, Deacon Zabriskie.

Jo Busch was expected at the reunion but was never heard from. Ben Shaw indicated that he was coming but as far as we know he also failed to put in an appearance.

The notices of the reunion brought many interesting replies, particularly from some of the men who were unable

1846 - One hundred years of continuous - 1946
service to industry



ALLOY STEELS

A century of experience in the development and application of special steels for PRODUCTION, TOOL ROOM, MAINTENANCE.

Seven warehouse stocks of rounds, flats, squares, hexagons, octagons. Forgings to specification.

Write for our data sheet book.



WHELOCK, LOVEJOY & CO., INC.

128 Sidney Street
CAMBRIDGE 39, MASS.

Cleveland 14 - Chicago 23 - Newark 5
Detroit 3 - Buffalo 10 - Cincinnati 32

to attend. One of these letters from **Mase McNeill** is quoted below.

"Dear Bob:

"I'm sorry that I won't be able to attend for as you can see I'm now a Californian. After getting out of the Navy in November, I decided to stay out here where the climate is so enjoyable. I have re-entered the life insurance business and am associated with the Occidental Life Insurance Company of California as Assistant manager of the San Diego Office.

"We like it immensely but do miss all of our friends at home. Give my best to the old gang and drink a beer or two for me in Bethlehem. I haven't had a decent glass of beer since I left the East in 1943."

For the boys on the Pacific Coast who might be interested in getting in touch with Mase, his address is 2005 Galveston Street, San Diego 10, California.

Another letter of regret came from **Bill Wagner**, whose address is 5577 North Shoreland Avenue, Milwaukee 11, Wisconsin.

"Dear Bob:

"Sorry I can't be there, but Milwaukee is too far away to make a week-end jaunt to Bethlehem. I enjoyed a visit to Lehigh in February very much—the first visit in several years—and was able to quaff a beer at the Maennerchor, too.

"The boys you mention aren't the only ones that are getting balder—I can claim that too, but I find increasing age has not done much to quench my thirst for beer.

"I have partly forsaken Metallurgy in that I work for the Wisconsin Electric Power Company as Industrial Heating Engineer. A recent business trip to the East (including the Metal Show at Cleveland) let me say hello to **Jack Harrison** in Pittsburgh (he's now doing personnel work for the Aluminum Company of America) and **Reed Laird** (who is Metallurgist for the Ohio Seamless Tube Co. in Shelby, Ohio).

"Good luck to you at the reunion—and drink a beer for me."

I am happy to report that the members present drank beers to Wagner and McNeill, and the rest of the boys who could not make it, and a great many more for themselves.

Class of 1935

JOHN DE B. CORNELIUS

Broughton, Pa.

Hey, you wives of '35ers! What's the idea of letting me down? Have you forgotten that you were going to nag your husbands until they sat down to write me a letter telling me what they are doing in this topsy-turvy world? I've been waiting and waiting, but no word has been received. And all the time I thought I could count on you girls even if I couldn't depend on your husbands. Well, if they can't be nagged

into writing, how about dropping me a line yourselves. Maybe they are just too modest to brag about the wonderful things they have done. So, Gals, you tell me about them. Besides, I'd rather get letters from girls anyway. I guess I'm just a wolf at heart. As the dog said when he sat on the sandpaper, "ruff, ruff."

As for you guys—fooeey on you! How do you expect me to keep a column going with no news. The only news I have received is about your address changes, and that doesn't make very interesting reading. And by digging deep in the Pittsburgh Sunday papers, I found out that the Big Brown team won their first football game and lost the second. By the time you read this, they will have played several more and I'm sure that they will either win or lose them. If any of you have an influence with the Pittsburgh papers, see if you can get them to give a little more space to Lehigh. Things that happen there are of interest to a few people in this locality.

Well, I guess I've filled in enough space with nothing. The only other thing on my mind right now is the condition of these United States, what with strikes and shortages and the general lack of courtesy on the part of people. I think that if all of us spent a little time treating others as we would like to be treated, we might start a circle which would finally get back to us. So next time instead of jumping on Pete, show him a little courtesy, and maybe he'll show it to Jim, and Jim will pass it on to Joe, and Joe to Harry, and Harry may return it to you. Good-bye now!

Class of 1936

PALMER H. LANGDON

1170 Fifth Avenue, New York 29, N. Y.

This month I received a nice letter from **Joe Stone** as follows:

"Almost every month when the Bulletin arrives I make resolutions to write you but, as you can see, up to now I have failed.

"My address is, of course, a dead give-away that I am still at the Metallurgical game. I came back to Weirton from the Army almost a year ago now and have almost forgotten all the gripes of service days. Even at times I find myself enjoying some of the service experiences in retrospect, that is, **Bill Webster** of the class of '34 is also out of the army and working here in the department, so I have some one to back up wrestling stories.

"All along prior to June I had planned to be back to Bethlehem for our tenth but was still without a car at the time and did not feel that I could make it. Your account of the affair from the viewpoint of the class of '36 was the best possible substitute. Your statement that the Maennerchor ran out of beer sorta took the wind out of my sails, but I guess that's just a sign of the times.

"I've been trying several times to figure out where all the Met.E. '36 boys are and must admit most of my guesses are pretty much out of date. I can account for **Gil Rogers** and **El Taussig** in the Corporation and beyond that my notions are too vague to write down. Can you help me?"

The following changes of address are reported by the Alumni Association:

Bill Winship now lives at the Glen Eden Hotel, 5130 So. Dorchester, Chicago 15, Ill. I talked to Bill when I was in Chicago last week. He said that same day he ran into **Rolf Lindenbayn** at the Chemical Show.

Major Robert Perrine is at 189 Liberty Street, Bloomfield, N. J. **D. L. Waidelich** lives at 114 W. Broadway, Columbia, Mo., works at the University of Missouri Dept. of E.E., Univ. of Mo., Columbia, Mo. **Carl Hartman's** home is Lynnport, Pa. **Major Kleppinger** is working at the Ord. Development & Research Center, Arms & Ammunition Div., Aberdeen Proving Ground, Md. **E. W. Spengler** is discharged from the service and is an attorney-at-law at Bath, Pa. **T. E. Neiman** is a 583 Stratford Rd., Union, Union Co., New Jersey.

Class of 1937

WILLIAM SCHNABEL

371 Broadmoor Ave., Mt. Lebanon, Pittsburgh 16, Pa.

Greetings from your 1946-1947 Class Correspondent. At a recent meeting of the Pittsburgh Lehigh Club, yours truly was unanimously directed by Messrs. **Schick**, **Linsenmeyer**, **Oppenheimer**, **Haverstick** and **McNair**, to take over the responsibility of preparing the '37 monthly Alumni Bulletin column. Our news in the past nine years has been sparse to say the least, so perhaps by having a different person writing the column each year, the burden will not be too much for any one individual, and we can produce an interesting news column.

If you fellows will break down with a letter from time to time, I'm sure that this column writing will be a very pleasant assignment. In addition to these spontaneous letters which I hope will be forthcoming, **Len Schick** and I have a couple of other ideas for obtaining news. We plan to send double post cards to all members for the purpose of obtaining basic information. Also, I'll write to several of you each month with a specific request for news. We are hoping that all of these approaches will be fruitful.

It isn't too early to remind all of you that almost ten years have gone by since we left Lehigh and old South Mountain and that our class will be celebrating its tenth anniversary next June. Already **Len Schick** has reserved

a spot for our Saturday night Class Dinner. As other plans develop, you will all be contacted by the Reunion Committee. Start planning now to be in Bethlehem next June.

Now after the above introduction and preface, I'll try to use the balance of my 600 words for what news I have from class members I have seen recently. Last June at the Victory Reunion, our class was represented at the banquet by Dent, Lewis, Palmer, Schick and Schnabel. On Saturday we entered the traditional parade. In addition to the above, there were Podgursky, McCoy, Fairbanks, Barnum, A. E. Smith, Patterson, A. W. Stern, R. J. Jackson, C. B. Allen, H. A. Gibbs, Lon Pennanichi, R. Y. Bodine, R. A. Buerschaper, Tom D. Hess, Irving T. Klein, Joe Rossetti, Jerome Levy, Bill Lincoln,

J. M. Thomas, Dean T. Stevenson, W. H. Johnston, A. B. Schwarzkopf, Carl W. Kuhl, Charles Bidwell, and Phil Ranch. By this time, Pat Patterson is probably back in Germany with the occupation forces. That smart M.E. has decided to make the Army a career. And if any of you New York City fellows need a new car, see Art Smith, who is back with his Dad in a Ford agency, after several years with Uncle Sam. Ed McNair has been working for the L. V. Bovee Co., a manufacturer's agent, selling heating equipment, and Ed Oppenheimer has left Apollo Steel since returning to civilian life this summer. Ed is now Comptroller for Anchor Distributing Company here in Pittsburgh. Doney, Linsenmeyer and Haverstick are still with Westinghouse here in Pittsburgh. Hal Dent has re-

signed from Carnegie Illinois and has returned to Allentown. Finally, your correspondent decided to return to Jones & Laughlin Steel Corp., in a purchasing capacity, after being separated from the Navy.

Well, that about covers the news that I have, so I'm hoping that some of you will break down and write. If you come to Pittsburgh after this Ghost City (no transportation or power) comes to life, I'd sure be glad to see you.

Class of 1938

WILLIAM G. DUKEK, JR.

847 Mountain Ave., Westfield, N. J.

Reconversion is now complete. As you see, I am back at the old stand after a four year absence during which time **Bob Henning** ably pinch-hit. To bring you up to date on your correspondent's activities, after three years serving the Army in New York (never more than a five cent phone call or subway ride from Bob) I was inactivated in January, joined Standard Oil of New Jersey in February, and finally moved into the above address, our new and, we hope, permanent home in August. It now costs two-bits to call Bob, and gosh only knows how you get to his place without a car. But address your news to either of us, nevertheless, and we shall print it.

REUNION RESUME . . .

For those of you who missed our eighth and long-hoped-for Reunion in June, here is a brief account of those present, as far as I can remember. There were by not very accurate count a total of about 40 of our class present, disappointingly small, but understandable since many of our group are still in the service or far away. I am sure that each of us present was struck, as I was, by the considerable change in appearance that five or six years had made in the others. The two parts of the anatomy principally affected seemed to be the upper part of the cranium and the lower region of the abdomen, both usually adversely. Gad, what changes Time doth wrought!

Bill Lucas seems to be leading the field in upper exposure, although **Whitney Sterngold** is beginning to give him a little competition. **Bob Dean** had put on some executive weight, although **Jack Manley** was leaner than before. **Jimmy Mack** and **Dick Bishop** looked a bit war-weary, as well they should, but as handsome as ever. On the other hand, **Cy Haas**, **Harry Milbank**, **Kramer Schatzlein**, and **Walt Schmidt** were just about as we left them. Among others present were **Don Robinson**, **Dick Larkin**, **Bob Henning**, **George Sheppard**, **Ben Rohn**, **Henry Naishy**, **Palmer Murphy**, **Charlie Alexander**, **Herb Hynson**, **Bill Iobst**, **Bob Titlow**, **Bob Miller**, **Rick Brown**, **Vance Edwardes**, **Francis Carner** and those whom I've forgotten. No, their faces hadn't changed that much; I forgot to take notes. (If this list is incorrect or incomplete,

Bodine... Case History No. 14

Producing a Die Cast Fuel Pump Cover

TAP 1/8" HOLE 1/4" DEEP IN VERTICAL PORT

TAP 1/8" HOLE 1/4" DEEP IN VERTICAL PORT

TAP 1/8" STRAIGHT PIPE THREAD 1/4" DEEP IN HORIZONTAL PORT

TAP 1/8" STRAIGHT PIPE THREAD 1/4" DEEP IN HORIZONTAL PORT

BEAM, FACE, SEAT VERTICAL PORT
BEAM, FACE HORIZONTAL PORT

BEAM, FACE, SEAT VERTICAL PORT
BEAM, FACE HORIZONTAL PORT

HAND LOAD TO DRILLING PRESSURE TYPE DIE

Production:
960 pieces
per 50 minute hour

THE
Bodine
CORPORATION
BRIDGEPORT CONNECTICUT
AUTOMATIC DIE TYPE DRILLING, MILLING
TAPPING, AND SCREW INSERTING MACHINES

A. V. BODINE, '15
Pres. and Treas.

E. F. BODINE, '42
Vice Pres.

write and tell me. Glad to print corrections, and revive my failing memory.)

Main business of the evening was getting concurrence on future reunion plans. It was generally agreed that we would concentrate on our tenth in 1948, and plan only informal activities next year. Let us hope the beer shortage has passed and more space is available in '47.

LETTER FROM LONDON . . .

Major Carl Martinson writes from the American Embassy in London, Office of the Military Attache (he doesn't say whether he is the Attache or merely the Office) that he has another year of service ahead, after spending the time since 1943 on the move between London, Stockholm, Paris and various parts of Germany. He took five months temporary duty in U. S. beginning last November, then returned to London with his wife, the former Nancy Driscoll of Nutley, N. J. Carl seems to have been singularly unaware that Lehigh men won the war (with some help from Texas, et al) for he mentions seeing only Harry Harchar, Kramer Schatzlein, Whitey Sterngold and Dave Hoppock during his tours of duty. You shoulda looked in the foxholes, Carl, natchelly.

Note in the Chem. & Eng. News that Dick Bishop has been named manager of the New Products Division of Pennsylvania Salt Co. . . . that Nat Palladino has been selected for a year of atomic research at Oak Ridge.

Last plea, direct some correspondence this way, for despite reunions, there is a lot of ancient and current history for all of us to catch up on, particularly about the missing brethren.

Class of 1940

FRED E. GALBRAITH, JR.

7511 North Main St., Dayton 5, Ohio

The correspondent's lot is not a happy one, they tell me, but business is picking up. Two letters in time for this issue, including one plug for the column and one slight slur.

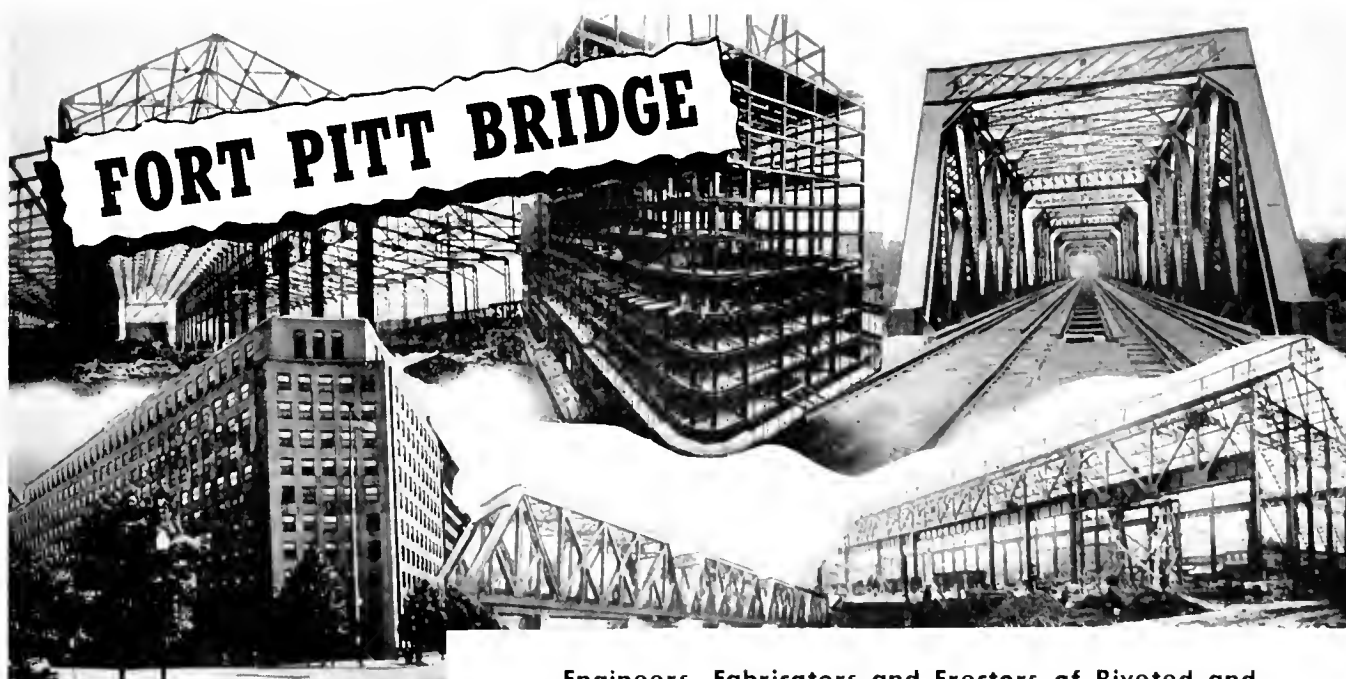
Ted Osbourne's letter has more advance notices on blessed events than Winchell's column ever did, but we'll withhold those in order to save some news for next spring. Ted is the guy who gave the department a boost: "I read with interest your initial effort, and applaud. Good start. I'm sorry I don't have much news, but I can report on some of our boys in this dis-

trict." (The stationery reads: Edmund D. Osbourne, Traffic Manager, Union Barge Line Corporation, Pittsburgh.)

"I see Grant Johnson, who is my brother-in-law, fairly often. He is living and working in Washington, Pa., where he and his brother are carrying on the business which their father (Lehigh '04) started. They sink and repair mine shafts, and the most interesting recent job has been the Robena shaft for the Frick Coal Co.—the biggest slope in the world, I believe." (Any of you guys who need your mine shafts repaired are requested to give Grant your business, out of class loyalty.)

"I also see Chuck Dorsey and his wife occasionally. Chuck is with Carnegie-Illinois, but I understand he is going to go with the newly organized Washington Steel Co. The Dorseys live in Washington, Pa., also.

"I saw Joe Coyne recently, and he is back with the Aluminum Co. but is now in the downtown office. Chuck Ahl is at home now and has taken a job with Electro Met. in the District Sales office. Also I have seen Ed Brindle and his wife and daughter." (The Johnsons and the Ahls each have a daughter, too, Ted notes—the class seems to run heavily to females.) "As for myself, what time I don't spent at the office is



Engineers, Fabricators and Erectors of Riveted and Welded Structural Steel for Every Purpose.

"Steel Permits Streamlining Construction with Safety, Endurance and Economy"

A. H. SHELDON '93
R. M. STRAUB '99
N. G. SMITH '06
E. K. ADAMS '16
J. M. STRAUB '20
D. B. STRAUB '28



FORT PITT BRIDGE WORKS

Main Office: KEYSTONE HOTEL BUILDING

212 WOOD STREET - PITTSBURGH 22, PA.

Plant at CANONSBURG, PENNSYLVANIA

MEMBER AMERICAN INSTITUTE OF STEEL CONSTRUCTION

spent inspecting other people's babies. We have a swell crop in this district, and anyone who will stop by to see me can be taken on an inspection trip."

Jules Moreau is our other informant this month. He writes: "All summer I have been helping out with running the Episcopal Diocese of Newark Camp at Delaware, N. J. I am now ready to return to the General Seminary for my senior year—some time to be doing that when a guy's almost thirty, and ought to be doing something useful instead of going to school, but the war held me up about five years.

"On September 11 Mrs. Moreau presented us with a 7-pound boy, Joel Francis, who should get in with the '68ers, but I am considering registering him in the next month or so in order to ensure that he has a place.

"I hope that this will be one of several letters from clear-thinking men of '40 who will see their way clear to keep the column free of political analysis and soap-box orations." (That's the slur I meant, but it looks like my threats are bringing in the news.)

A personal note from **Wes Sawyer** informs me that his draft board has been sending him alternate notices to report for induction and notices not to report for induction. I know just how the Army feels—they've scraped the bottom of the barrel often enough,

but they never inducted anybody from underneath the barrel . . . Seriously, Wes expected to be in uniform about Nov. 1.

To finish up this month's column, here are excerpts from **Quentin Keith's** letter from England, which was crowded out of the last issue:

"My military history comprises six years of commissioned active service in Panama, Trinidad, Puerto Rico, Dutch Guiana, England, France, Belgium, Holland, Germany, Austria, and Czechoslovakia, as second lieutenant of infantry, first lieutenant of horse cavalry, and captain of Military Intelligence; five years of overseas service, six campaigns in Europe from Normandy to Pilsen, the Croix-de-Guerre, Bronze Star, and a Dutch posie of some sort. Married an English girl in London just before the Invasion—became a widower in January 1944, during the height of the Ardennes Counter-Offensive. Been deactivated in England and have been at Cambridge University since October 1945, and where I intend to stay until I receive my B.A. in June 1947, which will automatically become M.A. (Cantab.) a year thereafter. Thence I shall hope to go to the Sorbonne, in Paris, for another year or so, and finish up either in Lausanne, Switzerland, or Heidelberg, Germany.

"At present I am a member of King's

College, Cambridge, famed for its glorious chapel and choir, its regal founder (Henry VI), its literary and musical pre-eminence, and its 17th century silver beer tankards, which I have been paying homage to in my own quiet way. The life is excellent. I row, read, ramble, and ruminate. No one seems to care what I do, and my time is my own. I am classified as an advanced or affiliated undergraduate, and hence have no examinations until next year. At present I am on vacation (we have six months vacation a year, during which one is supposed to really work and work) and I intend to go down to a very charming old pirate and fishing village in Cornwall, to relax and read. I also intend to start my first attempt at creative writing there . . . Please give my very best to anyone you happen to meet from the class."

Class of 1941

BENJAMIN OJSERKIS

780 Washington Ave., Lorain, Ohio

For those of us who were unable to attend our "First" Reunion, **Dick Shepherd** sends the following fine report:

"The reunion was a good time for all as might be expected when good fellows get together. Our classmates started to hail one another on the

RICHARD J. BUCK & COMPANY

MEMBERS

NEW YORK STOCK EXCHANGE
NEW YORK CURB EXCHANGE (Associate)
CHICAGO BOARD OF TRADE
NEW YORK PRODUCE EXCHANGE

RICHARD J. BUCK '24

WALTER S. BUCK '28

39 BROADWAY, NEW YORK 6, NEW YORK

Telephone: Hanover 2-5700

Correspondents:
CHICAGO AND BUFFALO

Branch Office
CARACAS, VENEZUELA

campus on Saturday morning, some with a squint at the name button on the lapel to recall a forgotten name. After a lunch in the new (after 1941) cafeteria through which at least 2500 were squeezed in chow line fashion, we started to gather for a picture and the class parade. By then, most of our class had their costumes, designed and procured by **Bob Felch**, a committeeman; the theme of the black academic hat and the 12 inch brown and white bow tie with large numeral 41 was strictly Joe College. Though we didn't take any parade prizes, we enjoyed the march in column of 4's over South Mountain's well-remembered slopes. We then made a strategic withdrawal to Green Acres where forces were joined with 1942 for beer, a buffet supper and more beer. It was a pleasant place for gabbing and guzzling under a sunny sky. Seventy members of our class were there—of which few had met since June, 1941. I won't begin to try to mention names, except to express my thanks to **Bob Stubbings** who arranged for the get-together at Green Acres and to **Chuck Carter** for handling the publicity end of it.

Many expressed their interest in having another get together next June, which sounds good to me."

From a newspaper clipping sent to me by the alumni office I understand that **Bernie Briody** has been awarded a fellowship which "will enable him to pursue his studies of the interference phenomenon in filtrable viruses at the Walter and Eliza Hall Institute of Research in Pathology and Medicine in Melbourne, Australia."

For the past two years Bernie has been a Graduate Student in the Department of Immunology at Yale University. As a result of his research work at Yale he was awarded his Ph.D. last summer.

Bernie married Elizabeth O'Reilly of Bethlehem. Mr. and Mrs. flew to San Francisco and embarked on the Matson line Steamer "Monterey" for Melbourne. Lots of luck to the Briody's on their new venture.

Another item that comes to us concerns **John W. Sheibley** who plans to attend Elizabethtown College this fall. Later he intends to enter Princeton Theological Seminary.

We have learned too that **Lt. John F. Hamblin, Jr.**, a Navy Chaplain, was aboard the USS Haven during the recent atomic bomb tests at Bikini. Before entering the Navy, Lt. Hamblin was rector of St. Paul's Episcopal Church, Newark.

With pleasure we announce that **Harold "Hap" Llewellyn** is the proud father of a baby girl. Sarah came into this world July 31st at Elyria, Ohio, where the Llewellyn family makes their home. Also in Elyria while they are awaiting housing in Bay Village, Ohio, are the **Covel Jerould's**. Jerry and his wife have a fine boy aged 20 months.



BETHLEHEM

"WEDGE" ROASTERS

—have found a highly useful place in many process pictures, turning hitherto worthless residues into profitable by-products.

For instance, the Bethlehem Roaster shown at the left (photographed during erection) amortized itself in ten months on the job.

Whatever your manufacturing process and waste problem—benefit from the specialized engineering skill that Bethlehem offers.

BETHLEHEM FOUNDRY & MACHINE CO.

BETHLEHEM, PA.

T. B. WOOD'S SONS COMPANY

V-BELT SHEAVES & V-BELTS

FRICION CLUTCHES, COUPLINGS, AND
OTHER ITEMS OF POWER TRANSMISSION

CHAMBERSBURG, PA.



STRUCTURAL STEEL

FOR

BRIDGES, BUILDINGS, ETC.

ENGINEERS AND
MANUFACTURERS

CHARLES McGONIGLE, '01 - OTHO POOLE

POOLE & McGONIGLE

PORTLAND, OREGON

BRIDGE and BUILDING ERECTION

STEEL CONTRACTORS

Incorporated 1911

OTHO POOLE

CHARLES McGONIGLE, '01

POOLE-DEAN COMPANY

PORTLAND, OREGON

Featured in the next column will be news concerning **Joe Quinn**, **Roy Zachary** and **Bill Archer** if they would be kind enough to write us a few facts concerning themselves.

Notice: Any information leading to the whereabouts and doings of one "**Chick**" **Ritchie** will be welcomed by this "columnist." We have been trying to establish contact with Ritchie for months.

Class of 1942

FRANK S. MCKENNA

8209 Cedar St., Silver Spring, Md.

A couple of weeks ago, Bobbie, Pam and I went to a "housewarming" at **Dick and Edie Metius'** new apartment in Dundalk, Md. **Bob** and **Dot Beck** were among those present so we had a good chance to talk over the "good old days." **Bob** and **Dick** are with the Sparrows Point Plant of Bethlehem Steel. **Dick** reports that aside from the beer being impotent, the reunion was a real success.

John Frederick and his wife, the former **Edith Emmerich** of Allentown, Pa., announce the birth of **John III.** on May 15, 1946. How's about a few more of you modest papas sounding

off? **John** is associated with the Bank of the Manhattan Co., Wall St., N. Y. C.

John Quincy (DU) is enjoying his job with Bell Telephone, which consists of maintaining and constructing facilities between the switchboard and the subscribers. **Quince** has his name "on about 50 lists for apartments" in N.Y.C. and is hoping for a break.

Well, that's all there is until I hear from a few of you fellows.

Class of 1943

SAMUEL J. DAVY

60 High Street, East Rutherford, N. J.

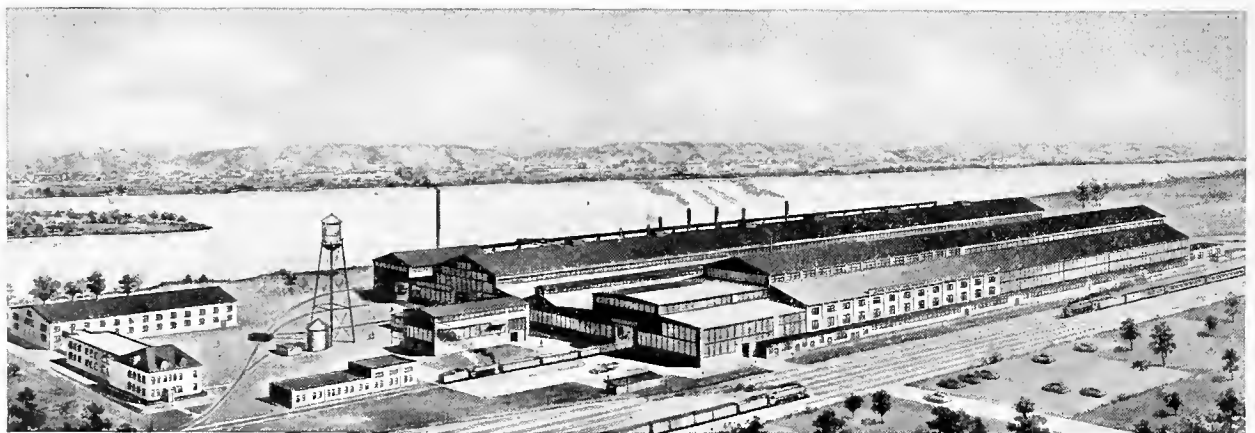
To begin with correspondence (which has fallen much too low), we had a good letter from **Captain Dick Palmer** about midsummer, in which he wrote interestingly of his experiences with the Foreign Liquidation Commission. It seems that he spent more than two months setting up an office in Iceland last spring, and he comments, "The place is not nearly so grim as many of the Army people have found it. I imagine my impression must be laid to the fact that I was stationed outside Reykjavik all the time. Also spent two weeks up in Newfoundland on a survey of the surplus property situation there.

The work I have been in has had a diplomatic twist all the way through, which makes the assignments doubly exciting . . ."

There was another good letter from **Mase Pearsall** who insists that although he gives a box number for his official address, he and **Winnie** haven't been compelled to live in it yet. **Mase** is still doing chemical engineering for the Keratene people (synthetics) in **Winsted, Conn.**, "where," he says, "plenty awaits to be conquered by someone's ambition, and much remains to be learned. So probably we'll be enjoying this Connecticut country for a long time."

Mase reports that **Jim Niemeyer** and spouse **Ginna** are established in **Old Greenwich, Conn.** **Jim** is a sales engineer for a Jersey firm which deals in steam valves. But **Bob Lynch, '42**, **Mase** said, is working in downtown New York and commuting from a nice home in **Larchmont**.

Howie Leifheit wrote a letter last spring that followed us a long time before we received it in July. He was at the **Edgewood Arsenal** in **Maryland**, where he was busy activating the Army's only chemical lab company. **Howie** had signed for duty until **June 1947**, and was just about to wed **Miss**



LEWIS FOUNDRY & MACHINE

Division of **BLAW-KNOX Company**
PITTSBURGH, PA.

MANUFACTURERS OF ROLLS AND ROLLING MILL MACHINERY

F. E. WALLING '34
President & General Manager

Dorothy Schramm of Queens Village, L. I., May 19. Congratulations, Howie!

Ted Peters is another who decided to extend his military service until mid-1947. Ted is still aboard the submarine Cabezon, which is undergoing overhaul at Mare Island after a quick trip to Hawaii and a brief period at San Diego. Ted is communications and radar officer. He and Margaret are enjoying a quonset hut adjacent to the one we ourselves occupied recently on the shores of San Pablo Bay. Take it from us, that's luxury.

Our Western Electric informant tells us that Tony Santantonio is just returned from Tokyo on terminal leave. He's mulling over offers of employment at WECo's Tube Shop and Kearny plant, as well as offers from other concerns. Wheeler Gilmore is home again in Secane after a tour of duty in the USN. He is working for the gas company which services Philadelphia (name of which escapes us). Wheeler, who ranks only a little behind Mont Rogers among the earlier marrying classmates, and spouse are said to be expecting their second offspring soon.

Don Sanders and Ted Wietkopolski have commenced night school at Newark College of Engineering with master's degrees in mechanical engineering as their objectives. Ted is living in North Arlington, N. J., and frequently catches the same bus we do in the evening. Don tells us that Nathan Lesh is working for the Army in Germany as a civilian. We don't know when he was discharged. Further, Tom MacAllister is employed by the Bell Telephone people near his home in Milford, Conn. We don't know whether Tom is married or not. Bob Freeman, Don went on to say, is finishing his second full-time semester of mining at the Colorado School of Mines, and may complete his work toward a master's in mining engineering.

There was a short note during the summer from Jack Curtis who is selling steel out of Cleveland. He and Gail are living in Youngstown district. Jack didn't mention the extent of his sales territory, or how many ingots he has traded, but if we know the Jackson, we can assume that he's doing all right.

Charlie Bennett, Peggy and Charlie, Jr., moved to Allentown over Labor Day when Charlie I's section of the WE Tube Shop transferred its activities there. We don't know their address, but they purchased a home on the south side and from all reports it's a fine one. You can find them in next year's telephone directory.

Wayne Carter is now enrolled in the Graduate School at the University of Illinois doing graduate work in Geology. His address is 604 E. Church Street, Champaign, Ill.

That's all for now. All, that is, except to add that we're looking forward to lots of letters from classmates this fall. Address us at 60 High Street, East Rutherford, N. J. Don't forget!



Roebling produces every major type of wire and wire product... toaster cord to telephone cable... bridge cable to wire rope... fine filter cloth to heavy grading screen... strip steel and flat wire to round and shaped wire... all Roebling products. All the result of over 100 years of wire specialization. John A. Roebling's Sons Company, Trenton 2, N.J.



ROEBLING

PACEMAKER IN WIRE PRODUCTS

WIRE ROPE AND STRAND • FITTINGS • SLINGS • AIRCORD, AIRCORD TERMINALS AND AIR CONTROLS
SUSPENSION BRIDGES AND CABLES • AERIAL WIRE ROPE SYSTEMS • SKI LIFTS • ELECTRICAL WIRE
AND CABLE • HARD, ANNEALED OR TEMPERED HIGH AND LOW CARBON FINE AND SPECIALTY
WIRE, FLAT WIRE, COLD ROLLED STRIP AND COLD ROLLED SPRING STEEL • LAWN MOWERS
SCREEN, HARDWARE AND INDUSTRIAL WIRE CLOTH

Class of 1945

CORNELIUS LINDHOLM, JR.
1095 Alicia Avenue,
West Englewood, New Jersey

Except for a brief but inspiring letter from **Charlie Austin** of the Sigma Chi House in August, I have been the recipient of nary a piece of correspondence from any of you since June. Your interest and loyalty to Lehigh cannot possibly be beyond the friendly ordeal of forwarding a few words on a piece of paper to me. Usually it takes an alumnus at least twenty years to establish himself to the extent of being ready to qualify as a member of the Board of Trustees; only then might he consider himself too closely connected with Lehigh to be bothered with sending letters to the class correspondent. Surely none of you can be classified as having gained such a position of prominence in the Lehigh alumni body, since graduation is but sixteen months past for most of you. What do you say, "fellow Lehigh men and classmates," how about giving me a break? I am going to exhaust my own personal storehouse of dope on Lehigh activities soon. Then I shall be without any further untapped sources of information from which to write my column unless you lend a hand.

Watching Lehigh's 7-0 triumph over Kings Point on Saturday, September 21st, was the greatest pleasure experienced by 400 or 500 Lehigh men in some time, despite the remnants of the "monsoon season" which drenched everyone during the entire contest. The start for the 1946 team, **Bill Leckonby**, and **Al White**, was auspicious. Kings Point was a formidable opponent and was picked to win by a two touchdown margin by the top sportswriters from New York. The possibility of pneumonia setting in, after enduring the downpour, was in the most remote corner of everyone's mind. Instead, at the finish, the foremost thought was of the matchless appetizer to a hearty Saturday night dinner to which they had been treated in cheering the alma mater on to a hard fought and well-deserved triumph.

While seated in the Lehigh cheering section I was happy to see and greet many friends of our era. **Bob Mayer**, **Joe Koran**, **Joe Pagnotti**, **Jack Shipherd**, **John Donohue**, **John Horne**, **George Forbes**, and many others from the 1942-1946 period. Of the old timers I met and chatted with **Johnny Engel** and **Wayne H. Carter, Sr.**

Highly capable players from the powerful 1942 team, who performed with their expected excellence against

Kings Point, were **Dick Shafer**, **Dick Jorgenson**, **Dick Johnson**, **Harry Arant**, and **Russ Jones**. They were five of sixteen alumni grant football men on the campus in the fall of 1942. What happened to the other eleven I am unable to answer fully. I do know that the majority of them were sophomores and juniors and would form an almost unbeatable 1946 team if all were available. It seems that Lehigh's own stalwart **Vince Moravec** is being heralded as one of the very best fullbacks in the East this year. He is playing for Harvard, all 225 pounds of him! Why? Could it be that that "superb" and supposedly "pure" Ivy League institution has offered and given **Vince** an athletic scholarship in addition to the financial aid afforded him as a veteran by the G.I. Bill of Rights? I am very confident that such is the true story of **Moravec's** failure to be crushing the opposition from Lehigh's fullback slot this fall. It is obvious that Harvard can no longer be classified alongside Lehigh, Yale, Princeton, and Chicago as colleges who are "pure" in their athletic programs; she has taken a disgraceful nose dive. The brilliant **Schoener** twins were whisked away by the U. of Iowa for the purpose of partaking in football. That is easily understandable, however, when the mass subsidizing car-

R U S T



WANTED GRADUATE ENGINEERS

For structural design and material handling work on all kinds of industrial plants. Steady employment by one of the nation's largest and oldest engineering and construction firms. Substantial salary. 5 day 40 hour week. Time and half for overtime. Vacations with pay. Sick leave.

Give complete details in first letter including date born, marital status, education, record of experience and earnings, references, salary expected and when you would be able to come to Pittsburgh at our expense for personal interview. Address Personnel Department.

C. G. Thornburgh, '09
J. Paul Scheetz, '20
G. M. Rust, '31
A. G. Rohrs, '32
S. M. Rust, Jr., '34
R. H. Wagoner, '36
C. G. Thornburgh, Jr., '42

THE RUST ENGINEERING COMPANY

PITTSBURGH

NEW YORK

WASHINGTON

BIRMINGHAM

ried on by Iowa and all the Big Ten colleges is considered. Wilbur Brownlee, consistent and competent end, was eager and ready to make his appearance in a Lehigh football uniform against Kings Point on September 21st for the first time since 1942 but was found to be ineligible Friday night on a technicality, just twenty hours before the kickoff. There must be some very shocking inefficiency on the campus in Bethlehem when the Athletic Eligibility Committee finds time to meet and discuss the athletes' scholastic standings the day before the first game. I have accounted for nine of the sixteen grant; where the rest of them are is a mystery.

MARRIAGES

CLASS OF 1936

Wilbur B. Hoddinott and Faye Stacy Fairbanks were married September 28 in the Universalist Church of the Divine Paternity, New York, N. Y.

CLASS OF 1941

Joseph A. Brennan married Miss Grace E. Scholz, August 31, in St. Agnes Roman Catholic Church, Rockville Centre, New York.

CLASS OF 1942

Robert E. Gengenbach to Miss Frieda S. Gurske, July 20.

Henry A. Seebald and Miss Gladys McKeever, June 1, in Allentown, Pa.

Joseph S. Thomas, Jr., married Miss Olive St. Harie on September 12, at Keene, N. H.

CLASS OF 1943

Lieutenant (j.g.) David F. Cox to Miss Janet W. Williams, September 7.

Charles G. Kucher and Miss Alma L. Wittig, June 8.

Robert C. Ramsdell married Miss Betty Jane Sullivan, September 14, in the Church of the Mediator, Allentown, Pa.

CLASS OF 1944

Andrew M. Bardagjy married Miss Helen Betterbed, November 10, in the Assyrian Apostolic Church of Virgin Mary, West New York, N. J.

CLASS OF 1946

Joseph H. Day to Miss Nancy Jean Stoll, September 7.

BIRTHS

CLASS OF 1936

To Mr. and Mrs. Albert C. Zettlemoyer, a son, Anthony, born August 31.

CLASS OF 1938

To Mr. and Mrs. George B. Cushing, a daughter, Diane Louise, on September 10.

CLASS OF 1939

To Mr. and Mrs. Louis C. Stouman, a daughter, on September 9.

CLASS OF 1940

To Mr. and Mrs. Jules L. Moreau, a son, Joel Francis, on September 11.

To Mr. and Mrs. William B. Todd, a daughter, Susan Linda, on September 13.

CLASS OF 1944

To Mr. and Mrs. E. Lyster Frost, a daughter, Nancy Anne, on July 21.

IN MEMORIAM

Edward E. Stetson, '86

The alumni office has been advised of the death of Edward E. Stetson on June 1. Other details are lacking.

Paul D. Millholland, '86

Paul D. Millholland, retired civil engineer, railroad executive and industrialist died September 16 at his home, 1907 North 63rd Street, Philadelphia, after a long illness. His age was 82.

Mr. Millholland, a native of Reading, Pa., was graduated from Lehigh University in 1886. Before his retirement in 1927, he was associated for many years with the Bethlehem Steel Co. In earlier years he served on the City Council of Reading; helped build the Georges Creek and Cumberland Railroad, now part of the Western Maryland system, and served in the capacity of general manager of Reading's Neversink Mountain Railroad.

Surviving are two sons.

Albert E. Duckham, '89

Albert E. Duckham passed away on August 2, 1946. No other information was given.

Philip H. W. Smith, '92

Philip H. Waddell Smith died at his Princeton, New Jersey, home September 1 in his 78th year.

Mr. Smith was graduated from the Newark Academy in 1888 and, as an electrical engineer, graduated from Lehigh University in 1892. For many years he was president of the Standard Underground Cable Co. of Pittsburgh. Since his retirement from business in 1931, he had devoted much time to matters of historical or geneological interest and particularly as relate to the foundation families of old Hanover Township, formed in 1720.

He leaves his widow, a daughter, two sons, a sister and two brothers.

Henry H. Jones, '95

Henry H. Jones, who for 14 years was president and general manager of the San Diego Gas and Electric Company, died August 5. He had been in ill health several months prior to his death.

Born in Reading, Pennsylvania, in 1874, he attained a degree in civil engineering from Lehigh University in

1895. When the Spanish-American war broke out a few years later, he enlisted in the Fourth Pennsylvania Volunteer Infantry and served in Porto Rico with the rating of sergeant.

Before coming to San Diego, he had been affiliated with the Chicago, Peoria and St. Louis railway; the City of Reading, Pennsylvania; the Pennsylvania Railroad, the Chicago and Northwestern Railroad; the Springfield (Illinois) Consolidated Railway Company, handling the street railway and the gas and electricity distribution as well. He also was employed on the construction of the Denver Tramway Company's power house.

Mr. Jones arrived in San Diego in 1910 to take over the management of the Company. He saw the Company, during his 14 years of management, expand to nine times the size it was when he arrived. From San Diego he was sent to Minneapolis, Minnesota, as vice-president in charge of operations of the Northern States Power Company which served communities in Minnesota, North and South Dakota, Wisconsin, Illinois and Iowa, and supplied at different points, power, steam heat, gas, telephone, and street railway service.

Service at that post lasted until 1926 when he was again transferred to Stockton, California, as vice-president of the Western States Electric Company and vice-president of the California-Oregon Power Company. When the P.G. & E. purchased the interests of the Western States Power Co. in 1928, Mr. Jones retired and returned to his home at 306 San Fernando Street in San Diego.

Surviving are his widow, a son, three daughters and two sisters.

Eckley S. Cunningham, '96

Eckley S. Cunningham of 2929 Northwood Drive, Alameda, California, passed away September 23. He was graduated with an M.E. degree from Lehigh University in 1896 and for many years was an engineer in the Green Bay district of the silver and copper mines at Wonder, Nevada. Af-

Canaveral Harbor Inn

"Like a Club"

ARTESIA, FLORIDA

DIRECTLY ON THE OCEAN

14 Miles from Cocoa

PRIVATE BEACH
PIER FISHING
COCKTAIL LOUNGE

For rates and for other
information write:

W. O. Hughart, '21
Artesia, Florida

ter leaving Nevada he had a consulting engineer's office in San Francisco.

He is survived by his widow, a daughter, a brother and two sisters.

Samuel M. Dessauer, '96

Samuel M. Dessauer, for 10 years president of the First and Farmers National Bank of Montrose, Pa., died July 17. A graduate of Lehigh University, Mr. Dessauer was active as a bank director until he became ill a year ago.

William S. Hiester, '97

William Stephen Hiester died September 10 in the Harrisburg, Pa., hospital after an illness of about six weeks.

Mr. Hiester, who was retired, had been connected with the Pennsylvania Railroad for many years. He was an electrical engineer and a graduate of Lehigh University.

Surviving are two sisters.

Herbert W. Fitzgerald, '98

Herbert W. Fitzgerald, age 71, died September 4. He attended Princeton and Lehigh Universities and was a member of the Sigma Phi fraternity. He served in Cuba with the U. S. Army during the Spanish-American War.

A senior engineer in the Defense Plant Corporation for four years, Mr. Fitzgerald was also associated with the Reconstruction Finance Corporation.

He is survived by his wife and daughter.

John R. McCleary, Jr., '04

John R. McCleary, retired vice-president of the Virginia Bridge Co., died June 2 at his home, 416 Stanley Avenue, South Roanoke, Virginia, at the

age of 66. Mr. McCleary was retired on January 1, last, as vice-president in charge of manufacturing operations and as director, after 37 years of continuous service.

He was employed by the company in 1908 as draftsman and successively served as district manager, contracting engineer, manager of the Birmingham plant, assistant general manager and operating manager. In April, 1944, he was elected vice-president of the United States Steel Corporation subsidiary.

His widow and a brother survive.

Ernest M. Mervine, '09

Ernest M. Mervine, agricultural engineer who had become a nationally recognized authority in the sugar beet machinery field, died September 11. His age was 59.

Mr. Mervine was stationed on the Colorado A. & M. campus from 1930 to 1943 as an agricultural engineer with the U. S. Agriculture Department. Since 1944 he had been a member of the faculty of the mechanical engineering department of the college and had continued his research work at the experiment station. He was the author of a number of bulletins based on his research work as an agricultural engineer and had assisted in the development of machinery used in the sugar beet industry.

In 1909 he was graduated from Lehigh University with a degree in mechanical engineering. Following graduation he was associated for three years with the John Deere Implement Co. at Moline, Illinois.

His widow, a son, brother and sister survive.

Harry J. Kaufmann, '10

Harry J. Kaufmann, 59, purchasing agent with the Narrow Fabric Co. for many years, died August 30. A graduate of Reading High School and Lehigh University, Mr. Kaufmann was an instructor in the old Reading Boys' High School prior to joining the personnel staff at the Narrow Fabric Co.

His widow and two sons survive.

Kenneth M. Bevier, '19

Kenneth Miller Bevier, prominent Scarsdale, New York resident, died September 23 at his home, 8 Woods Lane, from a heart ailment. His age was 49.

He was graduated from Lehigh University, where for three years he was president of his class, captain of the wrestling team and for two years intercollegiate lightweight champion. He was a member of the Chi Psi social fraternity.

Mr. Bevier was associated with his brother, Richard Bevier, as a partner in Bevier and Company.

He leaves a widow, a son, two daughters, a brother and a sister.

DIRECTORY OF LEHIGH ALUMNI CLUBS

Bethlehem, (Home Club) J. K. Conneen, '30, (P); W. E. Martin, '27, (S), 503 Dime Trust Bldg., Allentown, Pa.

Boston, Richard M. Powers, '31, (S), Wheelock, Lovejoy & Co., 128 Sidney St., Cambridge, Mass.

Central New York, Gordon Kent, '07, (S), The Kent Co., Rome, N. Y.

Central Penna., C. F. Class, Jr., '27, (P); Jack B. Brown, '30, (S), 444 N. 32nd St., Harrisburg, Pa.

Central Jersey, J. H. Pennington, '97, (P); Wm. C. Bernasco, Jr., '39, (S), 45 Laurel Ave., Trenton, N. J.

Chicago, W. O. Gairns, '26, (P); E. K. Collison, '07, (S), George A. Fuller Co., 111 W. Washington St.

Cincinnati, C. C. Sherill, '35, (S), Box 111, Glendale, Ohio

Delaware, G. H. Cross, Jr., '30, (P); R. C. Sickler, '28, (S), Spottswood, Kennett Square, Pa.

Detroit, R. A. Lodge, '33, (F); E. E. Krack, '36, (S), 11743 W. Outer Dr.

Maryland, S. Boyd Downey II, '18, (P); P. J. Flanagan, Jr., '33, (S), 4210 N. Charles St., Baltimore, Md.

Monmouth County, Jersey, C. A. Wolbach, '18, (P); Carlton M. Roberts, '25, (S), 1508 Grand Ave., Asbury Park, N. J.

New York, D. R. Lowry, '11, (P); Wm. McKinley, '19, (S), 414 E. 52nd St.

Northeast Penna., Edwin Booth, '20, (P); John Lloyd, '33, (S), Maple St., Fairview Heights, Mountaintop, Luzerne Co., Pa.

Northern New Jersey, W. H. Carter, '17, (P); Herbert H. Busch, '31, (S), Busch Realty Co., 42 Park Circle, Millburn, N. J.

Northern Calif., R. H. Tucker, '79, (P), 1525 Waverly St., Palo Alto, Calif.

Northern N. Y., N. Y. Coxe, '34, (P); E. S. Gallagher, '36, (S), 1134 Glenwood Blvd., Schenectady, N. Y.

Northern Ohio, C. G. Scheid, '27, (P); H. B. Osborn, Jr., '32, (S), Ohio Crankshaft Co., Tocco Div., 3800 Harvard Ave., Cleveland, Ohio.

Philadelphia, T. H. Lueders, '06, (P); George Bachmann, Jr., '26, (S), 21 N. 30th St., Camden, N. J.

Pittsburgh, William Shirk, '19, (P); H. E. Lore, '35, (S), 305 Chestnut St., Sewickley, Pa.

Southern New England, T. A. Kirkwood, '27, (P); L. H. Van Billiard, '23, (S), Newton, Conn.

Southeast Penna., George Potts, '23, (S), 536 Court St., Reading, Pa.

Southern Calif., H. W. Tice, '13, (P); R. M. Stettler, '18, (S), 1206 S. Maple Ave., Los Angeles, Calif.

Washington, D. C., E. C. Gott, '21, (P); Samuel Scrivener, '26, (S), 3422-36th St., N. W.

Western New York, S. M. Brown, '36, (P); Leonard H. Edwards, '41, (S), 165 Pottery Rd., Buffalo, N. Y.

York-Lancaster, John Hertzler, '27, (P); Gerald L. Smith, '34, (S), 1434 First Ave., York, Pa.

Youngstown, O., J. S. Stanier, '23, (P); J. A. Waterman, '30, (S), P. O. Box 135 Poland, Ohio.

PROFESSIONAL CARDS

NORTON & TOWNSEND Architects

405 Temple St., New Haven, Conn.
C. F. Townsend, '95 (B.S. in Arch.)
Sole Proprietor

*"Architect for the Phi Delta Theta
Chapter House"*

PIERCE MANAGEMENT

Engineering Consultants and Mine Managers
Anthracite — COAL — Bituminous

A successful background in the practical
solution of difficult engineering and
management problems.

J. H. PIERCE, '10

Scranton Electric Bldg. Scranton, Pa.

New York City 51 East 42nd St.

VISSCHER & BURLEY Architects

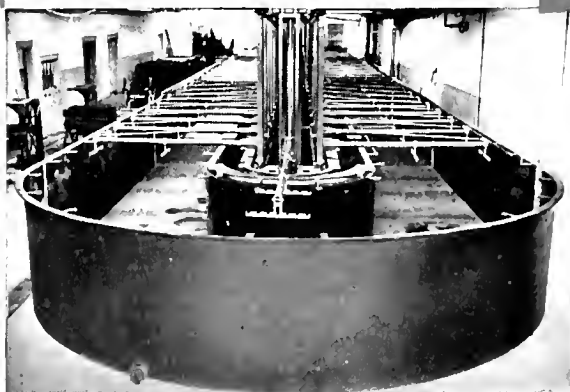
Rezin Davis Svend B. Sommer



GIANT RUBBER-LINED EVAPORATOR

Evaporator or Crystallizer for use in large Rayon Plant to recover valuable crystallized chemicals from processing solution, 10'6" dia. 28' long. Lined with Manhattan Acid-Resisting Rubber. Weight approximately 30,000 lbs. Used under 29" vacuum.

You Get a "Plus" of Quality in **MANHATTAN Rubber Linings**



THE WORLD'S LARGEST RUBBER-LINED NICKEL PLATING TANK, lined by Manhattan. Required 7 railroad flat cars to ship. Now in full operation with a large automatic elevator-type nickel plating conveyor.
(Photo courtesy Hanson-Van Winkle-Munning Company)



RUBBER-LINED EQUIPMENT FOR METAL PICKLING PLANT—Spent liquor sewers, fume exhaust ducts and stacks, drain piping and fittings all lined with Manhattan Acid-Proof Rubber Lining. For use in continuous strip pickling process in large steel mill. This part-shipment weighed 15 tons.

Companies engaged in the chemical processing and storing, metal finishing, plating and related industries have contributed in making Manhattan the foremost Rubber Lining manufacturer. Manhattan Rubber Linings are widely used on tanks, filters, impellers, mixers, agitators and troughs, blowers, exhaust fans and ducts, dipping cages, vacuum crystallizers, pipe and fittings, and on other equipment in endless variety of shapes.

Your 40-Year "Plus" at Manhattan

- 1-** Experienced engineers and technique backed by 40 years of applying rubber to process handling equipment (53 years manufacturing other rubber products).
- 2-** Development of a special rubber-to-metal band that defies mechanical separation.
- 3-** Compounding that will not crack or oxidize regardless of temperature changes and expansion or contraction of the metal.
- 4-** Utmost resistance to blows and abrasion.
- 5-** Enduring, dependable protection against corrosion and contamination.
- 6-** Elimination of stray currents.
- 7-** Extra long service and safety with resulting economies in handling most active acids, acid fumes, alkalis, salts, dye solutions and other caustic chemicals.

*Protect Your Equipment—Lower Your Operating Costs
Consult Manhattan on corrosion and contamination jobs.*



RAYBESTOS-MANHATTAN, INC.

MANHATTAN RUBBER DIVISION

EXECUTIVE OFFICES AND FACTORIES

PASSAIC, NEW JERSEY

whatever your piping needs—

Shaw

*fills them quickly—
dependably*

HIGH-QUALITY—DEPENDABLE
PIPING
PRE-FABRICATION & INSTALLATION

known since 1893

Benjamin F. Shaw Company is qualified
to pre-fabricate and erect piping—any
place in the United States and Canada.

Benjamin F. Shaw
President

BENJAMIN F. SHAW COMPANY—2ND & LOMBARD STS., WILMINGTON, DEL.